



Fakultet ekonomije i turizma  
"Dr. Mijo Mirković"



**CHANGES TO THE STUDY PROGRAM  
UNIVERSITY UNDERGRADUATE AND  
GRADUATE STUDIES IN APPLIED ECONOMICS**

**FORM FOR AMENDMENTS TO STUDY PROGRAMS**

<i>Name of the study program</i>	<b>University undergraduate and graduate study of applied economics</b>
<i>Holder of the study program</i>	Faculty of Economics and Tourism "Dr. Mijo Mirković", Juraj Dobrila University of Pula
<i>Contractor of the study program</i>	Faculty of Economics and Tourism "Dr. Mijo Mirković", Juraj Dobrila University of Pula
<i>Type of study program</i>	University
<i>Study program level</i>	Undergraduate and Graduate
<i>Academic / professional title acquired upon completion of studies</i>	Bachelor of Economics (baccalaureus), univ.bacc.oec, Master of Economics, mag.oec
<b>1. TYPE OF AMENDMENTS</b>	
<i>1.1. Type of amendments proposed</i>	
It is proposed to conduct a university part-time undergraduate and graduate study of economics in the form of distance learning. These studies has so far been conducted at the headquarters of the institution.	
<i>1.2. Percentage of ECTS credits that are changed by the proposed amendments</i>	
ECTS points are not changed in these proposed amendments (0% of changes)	
<i>1.3. Percentage of ECTS credits changed during previous amendment procedures in relation to the originally accredited study program</i>	
Changes compared to original accredited undergraduate program amounts to 41.50 % ( 22 / 53 )  In relation to the originally accredited program, the following changes have been introduced: <b>Introduction to Economics</b> - Compulsory course 1st semester, the number of ECTS was reduced from 9 to 6 ECTS ; <b>Mathematics for Economists</b> - Compulsory course 1st semester, the number of ECTS was reduced from 9 to 6 ECTS and the name was changed to Mathematics in Economics; <b>Economic Informatics</b> - Compulsory course 1st semester, the name was changed to Informatics; <b>Economic Methods</b> - Compulsory course 1st semester, added as a new course to the program; <b>Business Accounting</b> - Compulsory course 2nd semester, added as a new course to the program; <b>Behavioral Economics</b> - Compulsory course 2nd semester, added as a new course to the program; <b>Statistics</b> - Compulsory course 2nd semester, name changed to Statistics in Economics and the number of ECTS was reduced from 9 to 6 ECTS; <b>Economic History</b> - Compulsory course 2nd semester, and dropped course from the program; <b>Workshop</b> - Compulsory course 2nd semester, and dropped course from the program; <b>Seminar</b> - Elective course 2nd semester, and dropped course from the program; <b>Research Methodology</b> - Elective Course 2nd semester, and dropped course from the program; <b>German language II / I</b> - Elective course 2nd semester, and dropped course from the program; <b>Modern Economic Systems</b> - Compulsory course 2nd semester, added as a new course to the program; <b>Microeconomics 1</b> - Compulsory course 3rd semester, the name was changed to Microeconomics and the number of ECTS was reduced from 9 to 6 ECTS; <b>Macroeconomics</b> - Compulsory course 3rd semester, the number of ECTS was reduced from 9 to 6 ECTS; <b>Economic Sociology</b> - Compulsory course 3rd semester, expelled course from the program ; <b>Financial Markets</b> - Elective course 3rd semester, course excluded from the program; <b>Marketing</b> - Elective course 3rd semester, expelled course from the program; <b>Introduction to Entrepreneurship</b> - Elective course 3rd semester, course excluded from the program; <b>Introduction to Tourism</b> - Elective course 3rd semester, course excluded from the program;	

**Economics of Innovation and IT** - Compulsory course 3rd semester, added as a new course to the program;

**Welfare Economics** - Compulsory course 3rd semester, added as a new course to the program;

**Analysis of economic indicators and "Big data"** - Compulsory course 3rd semester, added as a new course to the program;

**Public Sector Economics** - Compulsory course 4th semester, transferred to 5th semester ;

**Workshop** - Compulsory course 4th semester, course dropped out of the program;

**Digital Business** - Compulsory course 4th semester, added as a new course to the program;

**Economics of Financial Crises and Microfinance** - Compulsory course 4th semester, added as a new course to the program;

**Labor Economics** - Compulsory course 4th semester, added as a new course to the program;

**Seminar** - Elective course 4th semester, expelled course from the program;

**Organization** - Elective course 4th semester, expelled from the program;

**Economics of Tourism** - Elective course 4th semester, transferred course to 6th semester;

**Intercultural Communication in German A** - Elective course 4th semester, expelled course from the program;

**Croatian Economy** - Compulsory course 5th semester, course dropped out of the program;

**History of Economic Thought** - Compulsory course 5th semester, transferred to elective courses;

**Regional Economics** - Compulsory course 5th semester, transferred from 6th semester to 5th semester ;

**Institutional Economics** - Elective Course 5th semester, added as a new course to the program;

**Management** - Elective course 5th semester, transferred from elective courses of the 6th semester and changed its name to Management;

**Tourist destination** - Elective course 5th semester, added as a new course to the program;

**Social Network Analysis** - Elective Course 5th semester, added as a new course to the program;

**National Accounting** - Elective course 5th semester, transferred to 6th semester ;

**Product Marketing and Innovation** - Elective course 5th semester, course dropped out of the program;

**Customer Behavior** - Elective Course 5th semester, expelled course from the program;

**Law in Tourism** - Elective course 5th semester, course excluded from the program;

**Marketing in Tourism** - Elective course 5th semester, course excluded from the program;

**International Markets and Business** - Compulsory course 6th semester, transferred to elective courses ;

**Development Economics** - Compulsory course 6th semester, added as a new course to the program;

**Business foreign language I / 3** - Elective course 6th semester, expelled course from the program;

**Intercultural Communication in German D** - Elective Course 6th semester, course dropped out of the program;

**Marketing Communications Management** - Elective course 6th semester, course dropped out of the program;

**Business decision - making** - Elective course 6th semester, expelled course from the program;

**Tour operators and travel agencies** - Elective course 6th semester, course dropped out of the program;

**International Entrepreneurship** - Elective course 6th semester, course excluded from the program;

**Business Audit and Analysis** - Elective Course 6th semester, added as a new course to the program;

**E-marketing** - Elective course 6th semester, added as a new course to the program.

Changes compared to original program accredited graduate amounts 52.63 % ( 10 / 19 )

In relation to the originally accredited program, the following changes have been introduced:

**Labor Economics and Human Resources** - Compulsory course 1st semester, course dropped out of the program;

**Monetary analysis** - Elective course 1st semester, course excluded from the program;

**Microeconomic Analysis** - Elective course 1st semester, course excluded from the program;

**Comparative Fiscal Systems** - Elective course 1st semester, course excluded from the program;

**Local Public Finance** - Elective Course 1st semester, college expelled from the program;

**Economic Development** - Compulsory course 2nd semester, college expelled from the program;

**Public Services** - Elective Course 2nd semester, college expelled from the program;

**International Finance** - Elective course 2nd semester, course excluded from the program;

**Economic Philosophy** - Elective course 3rd semester, expelled course from the program;  
**Global Economic Trends** - Elective Course 3rd semester, course excluded from the program;  
**Advanced Microeconomics** - Compulsory course 1st semester, added as a new course to the program;  
**Smart meters and kroekonomija** - Mandatory course first semester, has been added as a new course in the program;  
**Game Theory** - Compulsory course 2nd semester, added as a new course to the program;  
**Behavioral Economics II** - Compulsory course 2nd semester, added as a new course to the program;  
**Migration Economics and Population Aging** - Compulsory course 2nd semester, added as a new course to the program;  
**Seminar and research (applied economic analysis)** - Compulsory course 2nd semester, added as a new course to the program;  
**UI and Digital Economics** - Compulsory course 3rd semester, added as a new course to the program;  
**Industrial Organization and Analysis** - Compulsory course 3rd semester, added as a new course to the program;  
**Economic Analysis of Inequality and Poverty** - Elective Course 3rd semester, added as a new course to the program;  
**EU Programs and Funds** - Elective Course 3rd semester, added as a new course to the program;  
**Health Economics** - Elective Course 3rd semester, added as a new course to the program;  
**Practicum** - Compulsory course 4th semester, added as a new course to the program;

## 2. EXPLANATORY STATEMENT FOR REQUESTS FOR AMENDMENTS

### *2.1. Reasons and explanation of changes and amendments to the study program*

Given the existing study permit for the graduate study of 16 May 2005 (Class: UP / I-602-04 / 05-16 / 356, Reg: 533-07-05-2), and the license for the performance of undergraduate University Studies of 16 May 2005 (CLASS: UP / I-602-04 / 05-16 / 343, REGISTRATION NUMBER: 533-07-05-2). Faculty of Economics and Tourism "Dr. Mijo Mirković "Pula, decided to submit a request to the Ministries of Science, Education and Sports and the Agency for Science and Higher Education, to amend the existing permit in order to run the program in an online environment, or in the form of distance learning (eng. Distance learning).

### *2.2. Assessment of the purposefulness of amendments*

The assessment of the purposefulness of the amendments to the undergraduate and graduate university study program Applied Economics is manifested in several items:

- **Flexible century layout** and form of teaching, in which students are choosing the time and listening to lectures and viewing of teaching materials available to them 0-24 in digital form.
- **Lower total costs** that apply to both students and the institution that runs the program. Student costs are lower due to non-payment of travel, accommodation and living expenses outside the place of residence. The costs of the institution also refer to the costs of current maintenance and smaller amounts of pollution from the maintenance of institutional premises and resources (according to some research, distance learning reduces pollution and CO2 by up to 85%), and saving professors' time for teaching and organization.
- **Adaptive environment** in which students, according to some research, much easier master the material presented to them because they can adapt their environment in which they follow the lessons to their needs.
- **Use of Analytics** used in online computer programs that are an ideal source of data for later improvements of teaching processes and the curricula themselves.
- **Involvement of people of different social statuses** - distance learning allows many different social groups, from the poorer class who cannot participate in higher education due to the high additional costs of studying and living outside the family environment. It is much easier to include people with physical disabilities who in this way enable them to study under equal conditions with everyone, to people with special needs for whom the online environment can make it easier to study.



**2.3. Comparability Edited n th and amended study program with similar programs of accredited universities in the Republic of Croatia and the EU**

Within the Republic of Croatia, a similar program in an online environment that can be compared to this program proposal is the University Graduate Study of Business Economics, Faculty of Economics, University of Rijeka. Within the EU

**2.4. Compliance with the institutional strategy for the development of study programs**

**2.5. Other important data - in the opinion of the proposer**

**3.1. List of compulsory and elective courses and / or modules with the number of hours of active teaching required for their performance and the number of ECTS credits**

**UNDERGRADUATE STUDIES**

<b>I. semester</b>						
<b>Case</b>	<b>Code</b>	<b>Teacher</b>	<b>P</b>	<b>WITH</b>	<b>V</b>	<b>ECTS</b>
Introduction to economics		Prof.dr.sc. M. Škare Izv.prof.dr.sc. D. Sinković Doc.dr.sc. R. Pržiklas Družeta	30	30	0	6
Mathematics in economics		Izv.prof.dr.sc. D. Rabar	45	0	30	6
Informatics		Prof.dr.sc. V. Bevanda Dr.sc. Mr. Matošević	30	0	45	6
Economic methods		Izv.prof.dr.sc. S. Blažević Burić Doc.dr.sc R. Pržiklas Družeta Izv.prof.dr.sc. S. Stjepanović	30	30	0	6
Business foreign language (1):						
English I / 1		Prof.dr.sc. M. Kostić Bobanović M. Novak Lađarević, lecturer	45	0	45	6
Italian language I / 1		Prof.dr.sc. M. Kostić Bobanović	45	0	45	6
German language 1		K. Djaković, lecturer	45	0	45	6
<b>In total</b>						<b>30</b>

<b>II. semester</b>						
<b>Case</b>	<b>Code</b>	<b>Teacher</b>	<b>P</b>	<b>WITH</b>	<b>V</b>	<b>ECTS</b>
Business accounting		Prof.dr.sc. L. Mošnja - Škare Prof.dr.sc. R. Zenzerović Izv.prof.dr.sc. K. Black Izv.prof.dr.sc. T. Peruško Dr.sc. A. Galant	30	0	30	6
Behavioral economics		Izv.prof.dr.sc. S. Stjepanović	30	15	15	6
Commercial Law		Doc.dr.sc. O. Radolović T. Hasić, lecturer	30	30	0	6
Statistics in economics		Doc.dr.sc. K. Kostelic	45	0	45	6
Contemporary economic systems		Izv.prof.dr.sc. S. Blažević Burić Prof.dr.sc. I. Kersan - Škabić Izv.prof.dr.sc. L. Tijanić	30	30	0	6
<b>In total</b>						<b>30</b>

III. semester						
Case	Code	Teacher	P	WITH	V	ECTS
Microeconomics		Izv.prof.dr.sc. D. Tomić	30	30	0	6
Macroeconomics		Izv.prof.dr.sc. A. Bellulo A. Vrljic	30	30	0	6
Economics of Innovation and IT		Prof.dr.sc. M. Škare Doc.dr.sc. S. Maričić Izv.prof.dr.sc. D. Sinković	30	30	0	6
Welfare economy		Prof.dr.sc. M. Škare Doc.dr.sc. R. Pržiklas Družeta	30	30	0	6
Analysis of economic indicators and "Big data"		Izv.prof.dr.sc. D. Tomić Izv.prof.dr.sc. S. Stjepanović	30	30	0	6
<b>In total</b>						<b>30</b>

IV. semester						
Case	Code	Teacher	P	WITH	V	ECTS
Monetary economy		Prof.dr.sc. M. Benazić Izv.prof.dr.sc. M. Božina Beroš D.Petrović, mag.oec	30	30	0	6
Digital business		Prof.dr.sc. V. Bevanda Dr.sc. Mr. Matošević	30	30	0	6
Business foreign language (2):						
English I / 2		Izv.prof.dr.sc. M. Dujmović M. Novak Lađarević, lecturer	45	0	45	6
Italian language I / 2		Prof.dr.sc. M. Kostić Bobanović	45	0	45	6
German language 2		K. Djaković, lecturer	45	0	45	6
Economics of financial crises and microfinance		Prof.dr.sc. M. Škare Izv.prof.dr.sc. D. Sinković	30	30	0	6
Labor economics		Izv.prof.dr.sc. S. Blažević Burić	30	30	0	6
<b>In total</b>						<b>30</b>

V. semester						
Case	Code	Teacher	P	WITH	V	ECTS
International economics		Prof.dr.sc. I. Kersan - Škabić Izv.prof.dr.sc. L. Tijanić	30	30	0	6
Public sector economics		Prof.dr.sc. S. Krtalić	30	30	0	6
Regional economy		Izv.prof.dr.sc. L. Tijanić	30	30	0	6
Elective course I:						
<i>History of economic thought</i>		Prof.dr.sc. M. Škare Izv.prof.dr.sc. D. Tomić Izv.prof.dr.sc. S. Stjepanović	30	30	0	6
<i>Institutional economics</i>		Prof.dr.sc. M. Škare Izv.prof.dr.sc. D. Sinković	30	30	0	6
Elective course II:						
<i>Corporate finance</i>		Prof.dr.sc. D. Učkar D.Petrović, mag.oec	30	30	0	6
<i>Management</i>		Prof.dr.sc. M. Gonan Božac Izv.prof.dr.sc. M. Paulišić	30	30	0	6
<i>Tourist destination</i>		Prof.dr.sc. D. Križman Pavlović Doc.dr.sc. I. Slivar	30	30	0	6
<i>Social network analysis</i>		Dr.sc. Mr. Matošević	30	15	15	6

<b>In total</b>	<b>30</b>
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**VI. semester**

Case	Code	Teacher	P	WITH	V	ECTS
Econometrics		Izv.prof.dr.sc. A. Belullo A. Vrljić, M.Sc. oec.	30	30	0	6
Development economics		Izv. prof. dr. sc. K. Afrić Rakitovac	30	30	0	6
Elective course III:						
<i>International markets and business</i>		Izv.prof.dr.sc. D. Tomić	30	30	0	6
<i>National accounting</i>		Prof.dr.sc. L. Mošnja-Škare Doc.dr.sc. R. Pržiklas Družeta	30	30	0	6
Elective course IV:						
<i>Business audit and analysis</i>		Prof.dr.sc. R. Zenzerović Dr.sc. A.Galant	30	30	0	6
<i>E - marketing</i>		Doc. dr. sc. I. Slivar	30	0	30	6
<i>Tourism economics</i>		Doc.dr.sc. T. Floričić	30	30	0	6
Final thesis / Final exam						6
<b>In total</b>						<b>30</b>

**GRADUATE STUDY**
**I. semester**

Case	Code	Teacher	P	WITH	V	ECTS
Advanced microeconomics		Izv.prof.dr.sc. D. Tomić	30	30	0	6
Advanced macroeconomics		Prof.dr.sc. Marinko Škare Doc.dr.sc. Saša Stjepanović Doc.dr.sc. Damira Đukec	30	30	0	6
The EU economy		Prof.dr.sc. I. Kersan-Škabić	30	30	0	6
Urban economics		Assoc. dr. sc. L. Tijanić	30	30	0	6
Environmental economics		Izv. prof. dr. sc. K. Afrić Rakitovac	30	30	0	6
<b>In total</b>						<b>30</b>

**II. semester**

Case	Code	Teacher	P	WITH	V	ECTS
Time series analysis		Izv.prof.dr.sc. A. Belullo A. Vrljić, M.Sc. oec.	30	30	0	6
Game theory		Izv.prof.dr.sc. D. Tomić	30	30	0	6
Behavioral Economics II		Doc.dr.sc. S. Stjepanović	30	15	15	6
Economics of migration and population aging		Doc.dr.sc. S. Blažević-Burić	30	30	0	6
Seminar and research I (applied economic analysis)		Course holders in the graduate study of Economics	30	30	0	6
<b>In total</b>						<b>30</b>

**III. semester**

Case	Code	Teacher	P	WITH	V	ECTS
UI and the digital economy		Prof.dr.sc. M. Škare Doc.dr.sc. S. Maričić	30	30	0	6
Econometrics II		Izv.prof.dr.sc. A. Belullo A. Vrljić, M.Sc. oec.	30	30		6
Industrial organization and analysis		Prof.dr.sc. Marinko Škare (lecturer)	30	30	0	6

		Associate Professor dr. sc. Daniel Tomić Assoc. dr. sc. Dean Sinković				
Elective courses I and II:						
<i>Macroeconomic management</i>		Prof.dr.sc. M. Škare izv.prof.dr.sc. D. Tomić Assoc. dr. sc. D. Sinković	30	30	0	6
<i>Economic analysis of inequality and poverty</i>		Doc.dr.sc. R. Pržiklas Družeta	30	30	0	6
<i>EU programs and funds</i>		Prof.dr.sc. I. Kersan-Škabić Assoc. dr. sc. L. Tijanić K. Fedel Timovski	30	30	0	6
<i>Health economics</i>		Doc.dr.sc. R. Pržiklas Družeta	30	30	0	6
<b>In total</b>						<b>30</b>

IV. semester						
Case	Code	Teacher	P	WITH	V	ECTS
Practicum						12
Graduation thesis						18
<b>In total</b>						<b>30</b>

CURRICULUM IMPLEMENTATION PLAN			
Course code and name	Introduction to economics UE...		
Teacher/teacher Associate/Contributor (with link to network p.)	Prof.dr.sc. Marinko Škare (holder) Ex.prof. .dr.sc. Dean Sinković Doc.dr.sc. Romina Pržiklas - Družeta		
Study program	Undergraduate study; Application of ekonomia and Business economy		
Course Type	Regular	Course Level	Undergraduate
semester	wintry	Year of study	and
Run Location	Online environment	Run language (other languages)	Croatian
Number of ECTS credits	6	Number of hours per semester	60 (30 P, 30 S, 0V)
Prerequisites for enrollment and mastery	No preconditions for course enrolment		
Correlativeness	Economy Started, Economics Basics, Introduction to Microeconomics, Introduction to Macroeconomics		
Course objective	Train students to apply economic knowledge, define fundamental economic issues and apply scientific methods for collecting data on formulated issues, formulate a model to explain the real economic world around it, critically evaluate the model and complement it according to data from the real world of economics in which economics as a science is based on social, political and		



	ethical foundations with special emphasis on the importance of system institutions.				
Learning outcomes	<ol style="list-style-type: none"> <li>1. To be able to define and identify fundamental economic problems and issues.</li> <li>2. The power to apply the ability to interpret and analyze economic problems sovereignly through the presentation of economic arguments to a wide audience.</li> <li>3. Express economic ideas orally and in writing in order to be understandable to the academic public, the daily press and the media, participate in economic debates and be able to present complex economic problems to the general public that does not have economic qualifications.</li> <li>4. Apply software (MS Excel, Vensim and other software used in economic and technical analyses) in the preparation of economic analyses necessary when making decisions at the micro and macro level.</li> <li>5. Participate in argumentative debates on important economic issues such as inequality, climate change, market and business crises, economic crises, unemployment, wealth creation and distribution in the market, innovation, artificial intelligence and economic growth.</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>1. Market system and capitalist revolution.</li> <li>2. Technological change, population and growth, Scarcity, work and choice.</li> <li>3. Social Interactions, Ownership and Strength: Gains and Losses.</li> <li>4. Company: owners, management and employees, Companies and their clients.</li> <li>5. Supply and demand: price acceptance and competitive markets, Labour market: wages, profits, and unemployment.</li> <li>6. Banks, money and financial markets.</li> <li>7. Defining prices, annuities and market dynamics, Markets, efficiency and public policies.</li> <li>8. Economic fluctuations and unemployment, unemployment and fiscal policy.</li> <li>9. Inflation, unemployment and monetary policy.</li> <li>10. Technological progress, employment, living standards in the long term.</li> <li>11. The Great Depression, the Golden Age and the Global Financial Crisis, Society and the World Economy.</li> <li>12. Economic inequality, economics and the environment.</li> <li>13. Innovation, information and network economics, Economics, politics and public policies.</li> </ol>				
Planned activities, learning and teaching methods and ways of evaluating (indicate alternative acquisition in student obligations)	<b>commitments</b>	<b>Outcomes</b>	<b>hours</b>	<b>ECTS*</b>	<b>Maximum share of the rating (%)</b>
	Attendance S and P	1-5	45	1,6	10
	Seminar paper and essay	1-5	38	1,4	40
	Koloquium (2) or final exam	1-5	85	3,0	50
	altogether	168	6	100	
Additional clarifications (evaluation criteria):					

	<p>For the preparation of this course, the student has available digital literature in the form of a digital book and script, classical literature that he can obtain by post from the university or faculty library, video lectures that are adapted (subtitles) to different world languages. All these materials are available through moodle learning management system .</p> <p>The student is obliged to create and submit a seminar.</p> <p>The student has the option of taking two colloquiums (a student who achieves an average of more than 50% of the points on the colloquium can be exempt from writing the final exam).</p> <p>Upon completion of the semester, the fulfilled obligations of the student, completed colloquiums, the <b>overall performance of the student during the course of teaching</b> is evaluated , and according to the European Credit Transfer System.</p> <p>The final assessment of the student is determined according to the following formula:</p> <p style="text-align: center;"><b>RATING =50% seminar and essay + 50% colloquium (two colloquiums) or exam</b></p> <p>where is:</p> <p>Student in order to achieve a positive ocyen in the course should pass both colloquiums positivelymocyen or pass a written exam.</p> <p>Knowledge assessment will be carried out exclusively electronically in an online environment on the moodle platform using safe exam browsers, (and additionalplatforms such as exam view, book widghets, grading test , ... ), through an online exam confirming the identity of students, as a one-time resolution of the test, by protecting the test with a password, for a limited time, a defined IP address, etc.</p> <p>Seminar work and activities in the current year are recognized no longer than the end of the next academic year.</p> <p>The student is obliged to attend exercises, where he is obliged to participate in certain experiments, the results of which need to be made and submitted in writing.</p>
Student obligations	To pass the course, the student must (what and until when*) : <ul style="list-style-type: none"> <li>▪ write, submit a seminar paper and essay</li> <li>▪ Create a specific experiment and submit it in writing</li> <li>▪ take both eolloquiums or the final exam</li> <li>▪ exam is taken in writing or in an online environment</li> </ul>
Exam deadlines and colloquium	They are published at the beginning of the academic year on the FET and ISVU website.
Weekly schedule of online activities	<ol style="list-style-type: none"> <li>1. Week – Study and review video lectures and powerpoint presentations, and digital scripts and books related to the Market System and Capitalist Revolution, Technological Change, Population and Growth, Scarcity, Work and Choice, Social Interactions, Ownership and Strength: Gains and Losses. Estimate of time load: 15 hours.</li> <li>2. Week - Solving interactive tasks through the moodle platform. Study and review video lectures and powerpoint presentations, and digital scripts and books related to the Enterprise: owners, management and employees, Enterprises and their clients,</li> </ol>

	<p>Supply and demand: price acceptance and competitive markets, Labour market: wages, profits, and unemployment, Banks, money and financial markets. Estimation of time load: 20 hours.</p> <ol style="list-style-type: none"> <li>3. Week – Studying literature and writing a given seminar paper and essay. Study and review video lectures and powerpoint presentations, as well as digital scripts and books related to Defining Prices, Annuities and Market Dynamics, Markets, Efficiency and Public Policies, Economic Fluctuations and Unemployment, Unemployment and Fiscal Policy, Inflation, Unemployment and Monetary Policy. Estimation of time load: 30 hours.</li> <li>4. Week - Create one of the default experiments. Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and books related to Technological Progress, Employment, Living Standards in the Long Term, Great Depression, Golden Age and Global Financial Crisis, Society and the World Economy. Estimation of time load: 20 hours.</li> <li>5. Week - Studying literature and writing a given seminar paper and essay. Study and review video lectures and PowerPoint presentations, as well as digital scripts and books related to recent research in the fields of Economic Inequality, Economics and environment, Innovation, Information and Network Economics, Economics, Politics and Public Policy.. Solving interactive tasks through the moodle platform. Estimation of time load: 20 hours.</li> <li>6. Preparing for the final exam. Estimate time-laden: 63 hours.</li> </ol>
literature	<p>obliged:</p> <ol style="list-style-type: none"> <li>1. Online materials in the form of video lectures that are available on the online platform 24sata, and have the ability to browse (subtitles) in several world languages.</li> <li>2. Benic, Đuro. (2014). Introduction to Economics, School Book Zagreb. Related to learning outcomes under number 1, 2 and 3.</li> <li>3. Duro Benic (2012). Microeconomics Managerial Approach, School Book. Related to the learning outcome under number 4, 5, 6.</li> <li>4. Duro Benic (2016). Macroeconomics, School Book. Related to learning outcome number 7, 8, 9, 10,11,12, 13.</li> <li>5. Script made for the purposes of the course by the course holder which is located as an available material on e-learning or moodl. (adapts annually to changes in the course with world novelties in the field of introduction to economics)</li> <li>6. Digital book adapted for students of distance learning courses. (adapts annually to changes in the course with world novelties in the field of introduction to economics)</li> </ol> <p>Election:</p> <ol style="list-style-type: none"> <li>7. Bowles, S., Carlin, W., Stevens, M. (2017). The Economy – the economics for a changing world, The CORE team, Oxford University Press.</li> <li>8. Duro Benic, Microeconomics Managerial Approach, School Book 2012</li> <li>9. Duro Benic, Macroeconomics, School Book 2016</li> <li>10. Robert S. Pindyck, Daniel L. Rubinfeld, Microeconimia (fifth edition), Mate Ltd., 2005.</li> <li>11. O.Blanchard, Macroeconomics, Fifth Edition, MATE Ltd. 2011.</li> </ol>

	12. Karl E. Case, Ray C. Fair, Sharon E Oster, Principles of Macroeconomics (11th Edition) Paperback – July 19, 2013. 13. W.J.M. Heijman, Applied Macroeconomics, Cereales Foundation, 2000, ISBN 9080572411, 9789080572416.
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CURRICULUM IMPLEMENTATION PLAN			
Code and course title	Mathematics in Economics		
Teacher	Danijela Rabar, PhD, Associate Professor <a href="https://www.fet.unipu.hr/fet/danijela.rabar">https://www.fet.unipu.hr/fet/danijela.rabar</a>		
Study program	Undergraduate University Study "Applied Economics" (part-time)		
Type of course	Mandatory	Course level	Undergraduate
Semester	Winter	Year of study	First
Place of performance	Online environment	Language	English
ECTS points	6	Number of hours per semester	45L – 45E – 0S
Prerequisites for enrollment and for mastering	No specific prerequisites.		
Correlation	<i>Numerical methods in information sciences</i> and other quantitative courses.		
Course objective	To determine and improve basic mathematical knowledge, to develop the ability of analytical thinking, to acquaint students with mathematical methods and techniques applied in economic models and analyzes.		
Learning outcomes	<ol style="list-style-type: none"> <li>1. To select appropriate mathematical models for the analysis of economic phenomena and processes;</li> <li>2. To explain the concepts of a sequence (with emphasis on arithmetic and geometric sequences), its limits and sums, and use the corresponding formulas;</li> <li>3. To interpret the formulas of different types of interest calculation and loan repayment models and apply them in solving appropriate problem tasks;</li> <li>4. To associate the properties of univariate and multivariate real functions and use the knowledge from the corresponding differential calculus in the analysis and models based on economic functions;</li> <li>5. To describe the concepts of indefinite and definite integrals, and distinguish simpler methods of integration and choose them correctly when solving integrals;</li> <li>6. To deal with key concepts of matrix calculus and determinants and use them to solve systems of linear equations and in cross-sectoral analysis.</li> </ol>		
Course content	<ol style="list-style-type: none"> <li>1. Set theory and sets of numbers</li> <li>2. Sequences and series of numbers, limit of the sequence</li> <li>3. Financial mathematics – interest account and loan repayment models</li> </ol>		

	<ol style="list-style-type: none"> <li>4. Functions of one variable – domain, graph, composition, inverse, zero points, monotonicity, limit value, continuity, elementary functions, supply and demand functions</li> <li>5. Differential calculus – rules and derivation techniques, L'Hospital's rule, differential, elasticity</li> <li>6. Determination of the monotonicity and extrema of a function, inflection, function of total income</li> <li>7. Functions of several variables – partial derivatives, extrema and relative extrema of functions of two variables, Cobb-Douglas production function</li> <li>8. Integral calculus – indefinite integral, rules and the basic techniques of integration, definite and improper integrals, areas of plane figures</li> <li>9. Ordinary differential equations – method of variable separation and the application in economics (elasticity, costs, revenues, profit)</li> <li>10. Matrix calculus – matrix operations and matrix polynomial, determinants, inverse of a matrix, matrix equations, solving systems of linear equations (determinant method, Gaussian and Gauss-Jordan elimination method), input-output analysis</li> </ol>																																							
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 40%;">Obligations</th> <th style="width: 15%;">Outcomes</th> <th style="width: 15%;">Hours</th> <th style="width: 10%;">ECT S</th> <th style="width: 10%;">Maximum grade share (%)</th> </tr> </thead> <tbody> <tr> <td>Class participation</td> <td>1 – 6</td> <td>67.50</td> <td>2.40</td> <td>0%</td> </tr> <tr> <td>Online tests (1<sup>st</sup> part of the material)</td> <td>1 – 4</td> <td>8.25</td> <td>0.30</td> <td>10%</td> </tr> <tr> <td>1<sup>st</sup> online midterm exam (written exam)</td> <td>1 – 4</td> <td>42.00</td> <td>1.50</td> <td>40%</td> </tr> <tr> <td>Online tests (2<sup>nd</sup> part of the material)</td> <td>1, 4 – 6</td> <td>8.25</td> <td>0.30</td> <td>10%</td> </tr> <tr> <td>2<sup>nd</sup> online midterm exam (written exam)</td> <td>1, 4 – 6</td> <td>42.00</td> <td>1.50</td> <td>40%</td> </tr> <tr> <td>In total</td> <td></td> <td>168</td> <td>6</td> <td>100%</td> </tr> </tbody> </table>					Obligations	Outcomes	Hours	ECT S	Maximum grade share (%)	Class participation	1 – 6	67.50	2.40	0%	Online tests (1 <sup>st</sup> part of the material)	1 – 4	8.25	0.30	10%	1 <sup>st</sup> online midterm exam (written exam)	1 – 4	42.00	1.50	40%	Online tests (2 <sup>nd</sup> part of the material)	1, 4 – 6	8.25	0.30	10%	2 <sup>nd</sup> online midterm exam (written exam)	1, 4 – 6	42.00	1.50	40%	In total		168	6	100%
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Planned activities, learning and teaching methods and evaluation methods	<p><b>Additional clarifications (evaluation criteria):</b></p> <p>For the purpose of taking the course, the student has at his/her disposal classic literature in the University or Faculty library, available through regular mail, as well as digital content (written and video lectures and exercises) available through the e-learning system (Moodle). Additional available online resources will be suggested during the lectures as needed.</p> <p>Assessment of knowledge is done in the online environment through the e-learning system (Moodle), with confirmation of the student's identity and protection measures against copying.</p> <p>The material is divided into two parts, each of which is included in one midterm exam as a written (online) form of continuous assessment during semester. Each midterm exam carries 100 points and is passed if 50 or more points are achieved, and the result includes additional points (maximum 10) that can be achieved by taking online tests.</p> <p>If the student passed both midterm exams, he/she passed the course. If the student is not satisfied with the achieved grade, he/she can take the final written (online) exam and take parts of the material (one or both) from which he/she wants to improve his success, taking into account that the grade can be lowered.</p> <p>A student who does not pass the midterm exam(s) is <b>obliged</b> to take parts of the material that he did not pass (one or both) at the final written (online) exam and</p>																																							



	<p>to achieve a minimum of 50% of points on each, while additional points obtained by tests are no longer valid.</p> <p>Results achieved in the written (online) exams are recognized no later than the end of the academic year following the year in which the results were achieved. If the student does not pass the course within the specified period, the results are annulled, and the student is further <b>obliged</b> to take both parts of the written (online) exam.</p> <p>Midterm exams are only accessible to students who have enrolled in the course in the current academic year.</p>
<p>Student obligations</p>	<p>The student is obliged to regularly check the e-learning page and, in accordance with the dynamics of the course, to follow the teaching content and information.</p> <p>In order to successfully pass the course, the student is obliged to:</p> <ul style="list-style-type: none"> <li>- pass both online midterm exams during classes or, as an equivalent to failed midterm exams, pass both parts of the written (online) final exam.</li> </ul>
<p>Midterm and final exams dates</p>	<p>Midterm and final exams are taken in writing in an online environment.</p> <p>Dates for final exams are published at the beginning of the academic year on the Faculty's website and at ISVU (Information system of higher education institutions).</p> <p>Dates for midterm exams are agreed during classes and published on the e-learning page of the course, no later than ten days before the midterm exam.</p>
<p>Other important facts related to the course</p>	<p>Students are obliged to respect the principles of academic integrity which are regulated by the Code of Ethics of the Juraj Dobrila University of Pula.</p> <p>Consultations with the course lecturer outside of class is performed at the request of the student, at a time previously agreed via e-mail.</p> <p>The course lecturer may revise the curriculum implementation plan of the course depending on the number of students and/or some other circumstance.</p> <p>Applications and cancellations of final exams are done in accordance with the Regulations on studying at the Juraj Dobrila University in Pula.</p>
<p>Weekly schedule of online activities</p>	<p><u>Week 1</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the following thematic units: Introduction to the course; Sets of numbers; Arithmetic and geometric sequences and applications in economics; Limit of the sequence; Series of numbers. Taking the test via the Moodle platform. Estimated time load: 21 hours.</p> <p><u>Week 2</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the following thematic units: Interest account; Loan repayment models. Taking the test via the Moodle platform. Estimated time load: 21 hours.</p> <p><u>Week 3</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the thematic unit Functions of one variable and application in economics. Taking the test via the Moodle platform. Estimated time load: 21 hours.</p> <p><u>Week 4</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the</p>

	<p>thematic unit Differential calculus and applications in economics.                  Preparation for the 1<sup>st</sup> midterm exam.                  Estimated time load: 21 hours.</p> <p><u>Week 5</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the following thematic units: The monotonicity and extrema of univariate function and applications in economics; Multivariate functions - local and relative extrema and applications in economics. Taking the test via the Moodle platform.                  Estimated time load: 21 hours.</p> <p><u>Week 6</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the following thematic units: Integral calculus; Differential equations and applications in economics. Taking the test via the Moodle platform.                  Estimated time load: 21 hours.</p> <p><u>Week 7</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the following thematic units: Matrix calculus; Determinants.                  Estimated time load: 21 hours.</p> <p><u>Week 8</u> – Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and other literature related to the thematic unit Solving systems of linear equations and applications in economics. Taking the test via the Moodle platform and preparation for the 2<sup>nd</sup> midterm exam.                  Estimated time load: 21 hours.</p>
Literature	<p>Required:</p> <ol style="list-style-type: none"> <li>Teaching materials on the e-learning page of the course – scripts and video lectures and exercises (created and continuously updated by the course lecturer, organized by thematic units), various educational content, etc.                      (related to learning outcomes 1 – 6)</li> <li>Barnett, R. A., Ziegler, M. R. and Byleen, K. E. (2002):  <b>Applied Mathematics for Business, Economics, Life Sciences and Social Sciences</b>, 8<sup>th</sup> edition, Prentice Hall (selected chapters)                      (related to learning outcomes 1 – 6)</li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li>Klein, M. W. (2014):  <b>Mathematical Methods for Economics</b>, 2<sup>nd</sup> edition, Pearson</li> <li>Chiang, A. C. (2005):  <b>Fundamental Methods of Mathematical Economics</b>, 4<sup>th</sup> edition, McGraw-Hill</li> </ol>

**CURRICULUM IMPLEMENTATION PLAN**

Code and course title	199220, BE102, Informatics
Teacher	<u>Prof. dr. sc. Vanja Bevanda</u> <u>Dario Kukuljan, mag. educ. inf.</u>

Study program	Undergraduate university study of Economics and Business Economics		
Type of course	mandatory	Course level	undergraduate
Semester	winter	Year of study	I.
Place of performance	FET „dr. Mijo Mirković“: on-line	Language	English
ECTS points	6	Broj sati u semestru	60 (30L- 45E-0S)
Prerequisites for enrollment and for mastering	no		
Correlation	With all courses of the study program		
Course objective	Apply knowledge / skills of information and information literacy		
Learning outcomes	1. Define, interpret and relate basic concepts from areas of computer systems, information and communication technologies (ICT) and information systems (IS), 2. Use software tools for database creation, spreadsheets and business analytics, 3. Recognize and understand the state and trends of development of modern information and communication technologies (ICT), and assess their applicability in a given context.		
Course content	PART 1: 1. Computer system, data and information. Data and information. Computer system components and subsystems. Types of computer systems. Parameters by which computers are characterized. Processes and phases in a computer system. Codes and coding. 2. Computer system model Von Neumann's model of a computer system. The central unit of a computer. Input-output subsystem, buses and expansion cards. Input devices and devices. Output devices and devices. Physical and logical organization of data. Compression and encryption. 3. System software: Operating systems. 4. Computer communications and networks		

	<p>The role and tasks of computer networks. Computer network architecture. Data transmission media. Compression and encryption of data in transmission. Network hardware. Internet. Internet services.</p> <p>Thematic units of exercises:</p> <ul style="list-style-type: none"> <li>- Hardware, system software (exercise 1),</li> <li>- Computer networks (exercise 1),</li> </ul> <p>PART 2:</p> <p>5. Business information systems                  Information systems. The role and tasks of IS. IS parts and subsystems. Business IS.</p> <p>6. Organization and management of data                  Files. Database. Data warehouses. Database management system.</p> <p>Thematic units of exercises:</p> <ul style="list-style-type: none"> <li>- Spreadsheet (Exercise 2).</li> <li>- Creating a simple database (exercise 3).</li> </ul>				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum grade share (%)</b>
	Lecturing+workshops	1.- 3.	75	2,67	0%
	First check of outcomes (Tests 1- 2, exercise 1)	1.-3.	54	1,66	50%
	Second check of outcomes (Tests 3- 4, exercise 2-3)	1.- 3.	54	1,66	50%
	total		168	6	100%
Student obligations	<p>To prepare for this course, the student has available digital literature in the form of digital books and scripts, classical literature that can be obtained by mail from the university or faculty library, video lectures adapted to (subtitle) different world languages. All of these materials are available through the moodle learning management system.</p> <p>To pass the course, the student must:                  regularly participate in continuous knowledge testing:                  a. test 1 (beginning of November): achieved 7.5 out of 15 points,                  b. Test 2 (early December): 7.5 out of 15 points,                  c. test 3 (end of December): achieved 7.5 out of 15 points,                  d. Test 4 (mid / late January): 7.5 out of 15 points scored.</p> <p>The student must achieve the minimum number of points on all tests, and the final grade is formed by the sum of the points of all tests.</p> <p>In addition to taking four tests of theoretical knowledge, students are required to do three exercises that demonstrate the acquisition of practical knowledge of the use of software tools for word processing, spreadsheets and databases. By successfully mastering them, they get 40 points.</p> <p>At the exam deadlines, the results of all tests, together with the exercise points, form the final grade according to the Grading Regulations, which is entered in the student records.</p> <p>Knowledge assessment will be done exclusively electronically in the online environment on the moodle platform using a safe exam browser (and additional platforms such as exam view, book widgets, remark test grading, ...), through</p>				

	<p>online exams with student identity confirmation, as a one-time test. , password protection of the test, with a limited time, defined IP address, etc.</p>
	<p>or</p> <ul style="list-style-type: none"> <li>• pass two tests (COLLOQUIUM 1 (test 1 + test 2) and COLLOQUIUM 2 (test 3 + test 4)) on e-learning and achieve twice 15% of the possible 30% per test, and do three mandatory exercises ( 40%).</li> </ul>
<p>Exam and colloquium deadlines</p>	<p>They are published through the ISVU system, and on the course e-learning page.</p>
<p>Other important facts related to the course</p>	<p>All students are required to enroll in a course based on e-learning, regularly attend lectures and exercises, and follow current content and information, and the dynamics of the course. Fulfilled partial obligations are not entered in the index.</p>
<p>Weekly schedule of online activities</p>	<ol style="list-style-type: none"> <li>1. Week 1 - Studying and reviewing video lectures and powerpoint presentations, as well as digital scripts and books related to the Introduction to the course, ie theoretical, mathematical and logical bases of computer system operation. Estimation of time load: 30 hours.</li> <li>2. Week 2 - Solve interactive tasks via the moodle platform. Study and view video lectures and powerpoint presentations, and digital scripts and books related to Hardware and System Software. Estimation of time load: 30 hours.</li> <li>3. Week 3 - Study and view video lectures and powerpoint presentations, as well as digital scripts and books related to understanding the work of computer networks and the Internet. Solve interactive exercises via the moodle platform. Estimation of time load: 30 hours.</li> <li>4. Week 4 - Studying and reviewing video lectures and powerpoint presentations, as well as digital scripts and books related to modern information systems and business information systems, and the application and exercise of spreadsheets. Estimation of time load: 30 hours.</li> <li>5. Week 5 - Study and review video lectures and powerpoint presentations, as well as digital scripts and books related to recent research on the development of</li> </ol>



	information systems, business analytics and databases. Solve interactive data modeling tasks using the moodle platform. Estimation of time load: 30 hours. 6. 6. Preparation for testing learning outcomes. Estimated time load: 18 hours.
Literature	Literature Mandatory: 1. On-line materials in the form of video lectures that are available on the online platform 24sata, and have the ability to view (subtitles) in several world languages. 2. A script created for the needs of the course by the lecturer, which is available as material on the e-learning or moodle platform. (adapts annually to changes in the course with world innovations in the field of behavioral economics) 3. Digital book adapted to the participants of the distance learning course. (adapts annually to changes in the course with world innovations in the field of ICT) 4. Bosilj Vukšić, V., Pejić Bach, M. (ed.): "Business Informatics", Element, Zagreb, 2012, 2nd edited edition. Related to the learning outcome under number 1. - Additional links and materials of lectures and exercises on e-learning

CURRICULUM IMPLEMENTATION PLAN			
Course unit code and course name	Economic Methods		
Professor	Sanja Blažević Burić, Associate Professor <a href="https://fet.unipu.hr/fet/sanja.blazevic_buric">https://fet.unipu.hr/fet/sanja.blazevic_buric</a>		
Study programme	Undergraduate Programme of Economics and Business Economics		
Course status	Mandatory	Course level	Undergraduate
Semester	Winter	Year	1st
Location	On-line	Language	English language
ECTS	6	Number of hours per semester	30L -30S
Prerequisites	There are no prerequisites for enrollment. Prerequisites for mastering the course are continuous work and execution of given commitment during the semester.		
Correlativity	Faculty of Economics Zagreb, Faculty of Economics Rijeka, Faculty of Economics Split		
Course objectives	To provide students with a critical reflection on research and validity of research. Acquire knowledge, skills and competences for the proper writing and presentation of student work. Recognizing the stage of the research process and mastering the basics of conducting scientific and professional research in the field of economics.		
Learning outcomes	1. Adopt rules for writing and presenting student papers 2. Browse available databases and literature 3. Understand concepts from economic methodology		

	4. Critically reflect on the research process																													
Course content	<ol style="list-style-type: none"> <li>1. Introduction to the course. Classification and interpretation of concepts in the field of research methodology in the field of economics.</li> <li>2. Science development and characteristics of scientific research. History of economic methodology.</li> <li>3. Ethics in research. Ethical behavior of students in conducting research. Getting to know the University rules about preparing and writing student papers. Preparation for oral presentation.</li> <li>4. Phases of the research process. Selecting appropriate methodological approach.</li> <li>5. Selection, formulation and precise definition of areas, themes and subjects of research.</li> <li>6. Critical search of the literature. Getting familiar with searchable databases.</li> <li>7. Designing the objectives and research purpose. Formulation of hypotheses.</li> <li>8. Difference between quantitative and qualitative research methods.</li> <li>9. Sampling process.</li> <li>10. Survey.</li> <li>11. Types of validity and checking the validity of scientific research.</li> <li>12. Writing the final report. Writing as a skill.</li> <li>13. Research presentation. Peer review of research reports.</li> </ol>																													
Planned activities, methods of learning and teaching and methods of evaluation	<table border="1"> <thead> <tr> <th>Obligations</th> <th>Outcomes</th> <th>Hours</th> <th>Share in ECTS (%)</th> <th>Max share in grade (%)</th> </tr> </thead> <tbody> <tr> <td>Research project</td> <td>1-4</td> <td>30</td> <td>1,5</td> <td>25</td> </tr> <tr> <td>Peer review</td> <td>1-4</td> <td>10</td> <td>0,3</td> <td>5</td> </tr> <tr> <td>Final written exam</td> <td>3-4</td> <td>128</td> <td>4,2</td> <td>70</td> </tr> <tr> <td>Total</td> <td></td> <td>168</td> <td>6</td> <td>100</td> </tr> </tbody> </table>	Obligations	Outcomes	Hours	Share in ECTS (%)	Max share in grade (%)	Research project	1-4	30	1,5	25	Peer review	1-4	10	0,3	5	Final written exam	3-4	128	4,2	70	Total		168	6	100				
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	Peer review	1-4	10	0,3	5																									
	Final written exam	3-4	128	4,2	70																									
	Total		168	6	100																									
Additional clarifications (grading criteria):  The research project consists of making an imaginative research that will be determined by each student individually. The maximum share in the grade carried out by this research project is 25%, with following division by Croatian grades: grade "sufficient" (local grade: 2) is 12.5% of the grade; grade "good" (local grade: 3) is 17.5% of the grade; grade "very good" (local grade: 4) is 22.5% of the grade and grade "excellent" (local grade: 5) is 25% of the grade. The research project must be submitted (by uploading it to the e-learning platform) according to the terms that the teacher will give at the beginning of the academic year.  Peer review refers to evaluating another research project according to the form provided by the teacher which carries maximum of 5% of the grade.  Students have at their disposal the available digital literature in the form of a digital script, classical literature that can be obtained by mail from the University or Faculty Library, and video lectures subtitled to different world languages. Materials in e-form are available through the Moodle learning management system.																														

	<p>Final written exam is 70% of the grade.</p> <p>Knowledge assessment takes place exclusively electronically in an online environment on the Moodle platform using Safe Exam Browser (and additional platforms such as ExamView, BookWidget, Remark Test Grading,...) through online exams with student identity verification, one-time test solving, password protection, with limited time, defined IP address, etc.</p> <p>The student's final grading is done on the basis of the final achievement, i.e. the sum of the grade obtained during the course and the grade on the final exam as follows:</p> <p>Excellent – 89% to 100%, Very good – 76% to 88.9%, Good – 63% to 75.9% rating, Sufficient - 50% to 62.9%.</p>
Students` obligations	<p>To complete the course, a student must:</p> <ol style="list-style-type: none"> <li>1. Create a research project which should be positively graded.</li> <li>2. Successfully pass the final exam.</li> <li>3. Collect min. 50% of the grade in the overall grading.</li> </ol>
Exam dates	<p>Exam dates are announced at the beginning of the academic year at Studomat.</p>
Other important facts related to the course	<p>Students are required to respect the academic ethical principles that are regulated by the Statute of the Juraj Dobrila University of Pula and other relevant documents. Registrations and withdrawals of exams are done exclusively through the ISVU service.</p>
Weekly schedule of online activities	<p><u>Week 1</u> - video lectures and presentations as well as digital scripts on the topic of introduction to the course and discussions on the importance of scientific research and the importance of scientific and critical thinking but also on ethics in conducting research. A discussion of the common thinking frame of economists. Estimation of time load for students: 20 h</p> <p><u>Week 2</u> - video lectures and presentations as well as digital scripts on the stages of the research process and the principles of the scientific method, selection, formulation and precise determination of areas, topics and subjects of research with emphasis on real problems that scientists encounter. Elaboration on the topic of critical analysis of literature. Familiarity with available literature search databases and search rules. Estimation of time load for students: 25 h</p> <p><u>Week 3</u> - video lectures and presentations as well as digital scripts on the topic of fomulating scientific goals and purposes of research as well as precise formulation of hypotheses, differences between quantitative and qualitative research methods and sampling processes. Solving interactive tasks from the selected qualitative method (TAT technique) via the Moodle platform. Estimation of time load for students: 33 h</p> <p><u>Week 4</u> - video lectures and presentations as well as digital scripts on the topic of questionnaires and types of validity and validation of scientific research as well as possible pitfalls of internal validity. Joint exercise as preparation for writing the final report - research simulation. Individual exercise on a given topic. Estimation of time load for students: 25 h</p>

	<p><u>Week 5</u> - Writing the final report. Writing as a skill. Presentation of the final report. Conducting peer review of other people's research reports via the Moodle platform.          Estimated total time load for students: 65 h</p> <p>Exam Preparation (continuously through weeks)</p>
Literature	<p>Mandatory:</p> <ol style="list-style-type: none"> <li><b>Online materials</b> in the form of video lectures available on the Moodle online platform with the possibility of viewing (subtitles) in several world languages.          Related to learning outcomes number 1-4</li> <li><b>Digital script</b> is available as material on the e-learning portal and is adjusted annually in accordance with changes in the field of economic methodology.          Related to learning outcomes number 1-4</li> </ol> <p>Optional:</p> <ol style="list-style-type: none"> <li>Trochim, W., Donnelly, J. P. (2006) <b>The Research Methods Knowledge Base</b>, 3rd ed., Atomic Dog, Cincinnati, Ohio.          Related to learning outcomes number 1-4</li> <li>Zikmund, W. et al. (2008) <b>Business Research Methods</b>, 9<sup>TH</sup> ED., South-Western Cernage Learning, USA          Related to learning outcomes number 1-4</li> </ol>

**CURRICULUM IMPLEMENTATION PLAN**

Course code and title	23809 F101E <b>English Language I/1</b>		
Course coordinators / lecturers in charge	Prof.dr.sc. Moira Kostić-Bobanović <a href="https://www.fet.unipu.hr/fet/moira.kostic_bobanovic">https://www.fet.unipu.hr/fet/moira.kostic_bobanovic</a> Maja Novak Ladarević, lecturer <a href="https://fet.unipu.hr/fet/maja.novak_ladjarovic">https://fet.unipu.hr/fet/maja.novak_ladjarovic</a>		
Study program	Undergraduate study program in Economics / Business Economics		
Course status	Compulsory	Level of study program	Undergraduate
Semester	Winter	Year of study	I
Location	E-learning online platform	Language of instruction	English
ECTS credits	6	Hours per semester	90 (45L, 45E)

Prerequisites for enrollment	Minimum prior knowledge of English at level B1-B2 according to the Common European Framework of Reference for Languages (CEFR).
Correlativity	English Language I/2
Course objective	To adopt competencies for using professional vocabulary and grammatical structures specific to English for Specific Purposes (ESP) in the business context.
Learning outcomes	<ol style="list-style-type: none"> <li>1. Properly define professional terminology and basic concepts in English for Specific Purposes (ESP), within the given topics.</li> <li>2. Properly select, explain and use professional terminology in the business context.</li> <li>3. Properly recognize, explain and select the adopted grammatical structures in business communication.</li> <li>4. Appropriately use the adopted grammatical structures and vocabulary from one's repertoire in the business environment.</li> <li>5. Apply the reading strategies needed to understand and analyze professional texts, within the given topics.</li> </ol>
Course contents (list of topics)	<ol style="list-style-type: none"> <li>1. Company Structures Grammar and vocabulary: The Verb Tense System in English</li> <li>2. Recruitment Grammar and vocabulary: Types of Verbs; Non-Continuous &amp; Mixed Verbs</li> <li>3. Retailing Grammar and vocabulary: Auxiliary Verbs; Present and Past Participles</li> <li>4. Franchising Grammar and vocabulary: Time, Tense and Aspect; Subject-Verb Agreement</li> <li>5. International Business Styles Grammar and vocabulary: Present Simple &amp; Present Continuous; Prepositions</li> <li>6. Banking Grammar and vocabulary: Present Perfect &amp; Present Perfect Continuous</li> <li>7. Business and the Environment Grammar and vocabulary Past Simple &amp; Past Continuous; Adverbs</li> <li>8. The Stock Market Grammar and vocabulary: Past Perfect &amp; Past Perfect Continuous</li> <li>9. Import Export Grammar and vocabulary: Will Future &amp; Going to Future</li> <li>10. Company Performance Grammar and vocabulary: Future Continuous, Future Perfect &amp; Future Perfect Continuous</li> <li>11. Setting up a Business Grammar and vocabulary: Irregular Verbs Conjugation; Adjectives</li> <li>12. Corporate Alliances and Acquisitions Grammar and vocabulary: Cumulative Verb Tense Review</li> </ol>
Weekly schedule of online activities	<p><b>WEEK 1.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 1-3</b>. Estimated time load: 21 hours.</p> <p><b>WEEK 2.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 4-6</b>. Estimated time load: 21 hours.</p>



	<p><b>WEEK 3.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 7-8</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 4.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 9-10</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 5.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 11-12</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 6. OVERVIEW OF MATERIALS AND ONLINE WRITTEN MIDTERM EXAM.</b> Key vocabulary, collocations and grammatical units review. Holding an online written midterm exam. Estimated time load for preparation: 42 hours.</p> <p><b>PREPARATION FOR THE FINAL ORAL EXAM / OR ORAL PRESENTATION</b> – Time load assessment: 42 hours</p> <p><b>PREPARATION FOR THE FINAL WRITTEN EXAM / OR MIDTERM EXAM</b> – Time load assessment: 42 hours</p>					
Planned activities, methods of learning and teaching, assessment criteria	<b>Requirements</b>	<b>Learning outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum share in grade (%)</b>	
	Class attendance and participation (L, E)	1-5	67,5	2,4	0 %	
	The final oral exam or oral presentation (sponsorship)	1-5	50,25	1,8	50 %	
	The final online written exam or midterm exam	1-4	50,25	1,8	50 %	
	Total			168	6	100%
	<p><b>Additional clarification (assessment criteria):</b></p> <p><b>Class attendance, class activity and mandatory literature:</b> Due to specifics of learning and teaching foreign languages and in order for students to successfully master the contents of the course, it is highly recommended to regularly attend online classes. Students are required to prepare for and actively participate in online classes. Alternatively, if the student chooses not to attend online classes, he/she is obliged to independently process, analyze and acquire the course contents with the help of mandatory literature, online materials and online tasks available on the e-learning platform (Moodle). Mandatory literature is available in the university and faculty library, while online materials and assignments that accompany individual units are permanently available on the e-learning platform.</p> <p><b>Final oral exam or oral presentation:</b> The student can choose to prepare and orally present a presentation (sponsorship). The appropriate topic is determined in agreement with the lecturer, while students are required to independently research the literature related to the topic they are working on. Oral presentations are held during regular online classes. Instructions on preparing a presentation are given during the first online class. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final oral exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the oral presentation is valid exclusively by the end of the academic year in which the course was attended. Alternatively, if the student chooses not to make a presentation, he/she is required to take the final oral exam.</p>					

	<p><b>Final online written exam or midterm exam:</b> Continuous assessment is conducted during semester in the form of online written midterm exam. A successfully passed online written exam is a test in which the student has achieved at least 50% of the total number of points. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final written exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the written midterm exam is valid exclusively by the end of the academic year in which the course was attended. If the student doesn't pass the midterm exam or chooses not to take it, he/she is required to take the final written exam, which is of eliminatory nature and represents a condition for taking the final oral exam.</p> <p>The online written exam is conducted on the Moodle platform, using the Safe Exam browser and with the obligatory confirmation of the student's identity. The online test is password-protected and time-limited. The online written test can be accessed only once and exclusively within a given timeframe.</p> <p><b>The final grade</b> for the course is derived from the total percentage of success in the final written exam /or midterm exam (50%) and the final oral exam/or oral presentation (50%). The final grade is entered in the official records once the student has officially registered for the exam (via Studomat).</p> <p><b>The final grade is obtained as follows:</b></p> <p>5 (Excellent) = 89 – 100%  4 (Very good) = 76 – 88,9%  3 (Good) = 63 – 75,9%  2 (Sufficient) = 50 – 62,9%</p>
Student obligations	<p>In order to successfully pass the course, the student is required to:</p> <ol style="list-style-type: none"> <li>1. Regularly attend online classes and actively participate in the teaching process, or else independently process and analyze the course contents using mandatory literature and online materials and exercises (available on Moodle).</li> <li>2. Successfully pass the written midterm exam during semester, or the final written exam with a minimum of 50% accuracy.</li> <li>3. Successfully prepare and orally present a professional topic during the semester, or pass the final oral exam.</li> </ol> <p>All obligations must be completed within the agreed deadlines.</p>
Exam dates	<p>Published on the e-learning platform (Moodle) and available in the ISVU system.</p>
Literature	<p><b>Obligatory literature:</b></p> <ol style="list-style-type: none"> <li>1. Online materials and independent assignments and exercises, available in online form on the e-learning platform (Moodle) – <i>related to learning outcomes 1 – 5</i></li> <li>2. Tullis, G. &amp; Trappe, T. 2000. <i>New Insights into Business, Student's Book</i>. Essex: Pearson Longman, pp. 1-130 – <i>related to learning outcomes 1 – 5</i></li> <li>3. Naunton, J. 2002. <i>Head for Business: Upper-intermediate Workbook</i>. Oxford: Oxford University Press – <i>related to learning outcomes 1 – 5</i></li> <li>4. Kostić-Bobanović, M. &amp; Novak, M. 2016. <i>English Grammar in Use</i>. Pula: Juraj Dobrila University of Pula (pp. 111-221) – <i>related to learning outcomes 3 and 4</i></li> </ol> <p><b>Elective literature:</b></p> <ol style="list-style-type: none"> <li>5. British Council's Business English online learning support resources: <i>Business Magazine</i>. Reading and text analysis, interactive online</li> </ol>

	<p>exercises. Available at:  <a href="https://learnenglish.britishcouncil.org/business-english/business-magazine">https://learnenglish.britishcouncil.org/business-english/business-magazine</a> - <i>related to learning outcomes 1-5</i></p> <p>6. British Council's online grammar learning resources. CEFR levels B1-B2 (intermediate to upper-intermediate). Grammar explanations and interactive online exercises. Available at:  <a href="https://learnenglish.britishcouncil.org/grammar/intermediate-to-upper-intermediate">https://learnenglish.britishcouncil.org/grammar/intermediate-to-upper-intermediate</a> - <i>related to learning outcomes 3 and 4</i></p> <p>7. Mascull, B. 2002. <i>Business Vocabulary in Use – Intermediate</i>. 2<sup>nd</sup> edition. Cambridge: Cambridge University Press – <i>related to learning outcomes 1-5</i></p> <p>8. Emmerson, P. 2010. <i>Business Grammar Builder, 2nd edition. Intermediate to Upper-intermediate</i>. London: Macmillan Education – <i>related to learning outcomes 3 and 4</i></p> <p><b>Reference literature (dictionaries):</b></p> <p>9. <i>Oxford Advanced Learner's Dictionary, 8th edition</i>. 2010. Oxford: Oxford University Press</p> <p>10. <i>Online Oxford Advanced Learner's Dictionary</i>, available at:  <a href="https://www.oxfordlearnersdictionaries.com/">https://www.oxfordlearnersdictionaries.com/</a></p> <p>11. <i>Online Cambridge Learner's Dictionary</i>, available at:  <a href="https://dictionary.cambridge.org/dictionary/learner-english/">https://dictionary.cambridge.org/dictionary/learner-english/</a></p> <p>12. <i>Investopedia</i> (online), available at:  <a href="https://www.investopedia.com/financial-term-dictionary-4769738">https://www.investopedia.com/financial-term-dictionary-4769738</a></p>
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CURRICULUM IMPLEMENTATION PLAN			
Course code and title	(23811) (F101I) <b>Italian language I/1</b>		
Course coordinators / lecturers in charge	Prof.dr.sc. Moira Kostić-Bobanović (lecture in charge) <a href="https://www.fet.unipu.hr/fet/moira.kostic_bobanovic">https://www.fet.unipu.hr/fet/moira.kostic_bobanovic</a> Martina Matijašec, prof.		
Study program	Undergraduate study program in Economics / Business Economics		
Course status	Compulsory	Level of study program	Undergraduate
Semester	Winter	Year of study	I
Location	E-learning online platform	Language of instruction	Italian/Croatian
ECTS credits	6	Hours per semester	90 (45L, 45E)

Prerequisites for enrollment	Minimum prior knowledge of English at level A2- according to the Common European Framework of Reference for Languages (CEFR).
Correlativity	Italian Language I/2
Course objective	To adopt competencies for using professional vocabulary and grammatical structures specific to Italian for Specific Purposes in business and cultural context.
Learning outcomes	<ul style="list-style-type: none"> <li>- Properly define professional terminology and basic concepts in Italian for Specific Purposes, within the given topics.</li> <li>- Properly select, explain and use professional terminology in the business context.</li> <li>- Properly recognize, explain and select the adopted grammatical structures in business communication.</li> <li>- Appropriately use the adopted grammatical structures and vocabulary from one's repertoire in the business environment.</li> <li>- Apply the reading strategies needed to understand and analyze professional texts, within the given topics.</li> </ul>
Course contents (list of topics)	<ol style="list-style-type: none"> <li>1. UN PAESE A FORMA DI... Grammatica e morfologia: alfabeto italiano; il sostantivo</li> <li>2. PRODOTTI D'ITALIA Grammatica e morfologia: l'uso della virgola; l'avverbio</li> <li>3. L'ITALIA DELLE REGIONI Grammatica e morfologia: presente; il plurale</li> <li>4. MADE IN ITALY Grammatica e morfologia: i verbi ausiliari; aggettivi indefiniti</li> <li>5. LA REPUBBLICA ITALIANA Grammatica e morfologia: due punti; aggettivi interrogativi</li> <li>6. TUTTI AL MARE? Grammatica e morfologia: l'uso degli accenti (grave, acuto)</li> <li>7. CANZONE D'AUTORE Grammatica e morfologia: pronomi personali</li> <li>8. CHE IDEA! Grammatica e morfologia: pronomi possessivi</li> <li>9. LA STORIA IN ROSA Grammatica e morfologia: futuro</li> <li>10. RITMI E TRADIZIONI Grammatica e morfologia: elision e troncamento</li> <li>11. I MESI E LE STAGIONI Grammatica e morfologia: passato prossimo</li> <li>12. L'ITALIA IN BREVE 1 Grammatica e morfologia: l'avverbio</li> </ol>
Weekly schedule of online activities	<p><b>WEEK 1.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 1-3</b>. Estimated time load: 21 hours.</p> <p><b>WEEK 2.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 4-6</b>. Estimated time load: 21 hours.</p> <p><b>WEEK 3.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 7-8</b>. Estimated time load: 14 hours.</p>

	<p><b>WEEK 4.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 9-10</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 5.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 11-12</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 6. OVERVIEW OF MATERIALS AND ONLINE WRITTEN MIDTERM EXAM.</b> Key vocabulary, collocations and grammatical units review. Holding an online written midterm exam. Estimated time load for preparation: 42 hours.</p> <p><b>PREPARATION FOR THE FINAL ORAL EXAM / OR ORAL PRESENTATION</b> – Time load assessment: 42 hours</p> <p><b>PREPARATION FOR THE FINAL WRITTEN EXAM / OR MIDTERM EXAM</b> – Time load assessment: 42 hours</p>					
Planned activities, methods of learning and teaching, assessment criteria	<b>Requirements</b>	<b>Learning outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum share in grade (%)</b>	
	Class attendance and participation	1-5	67,5	2,4	0 %	
	The final oral exam or oral presentation (sponsorship)	1-5	50,25	1,8	50 %	
	The final online written exam or midterm exam	1-4	50,25	1,8	50 %	
	Total			168	6	100%
	<p><b>Additional clarification (assessment criteria):</b></p> <p><b>Class attendance, class activity and mandatory literature:</b> Due to specifics of learning and teaching foreign languages and in order for students to successfully master the contents of the course, it is highly recommended to regularly attend online classes. Students are required to prepare for and actively participate in online classes. Alternatively, if the student chooses not to attend online classes, he/she is obliged to independently process, analyze and acquire the course contents with the help of mandatory literature, online materials and online tasks available on the e-learning platform (Moodle). Mandatory literature is available in the university and faculty library, while online materials and assignments that accompany individual units are permanently available on the e-learning platform.</p> <p><b>Final oral exam or oral presentation:</b> The student can choose to prepare a presentation (sponsorship) during the semester and orally present it. The appropriate topic is determined in agreement with the lecturer, while students are required to independently research the literature related to the topic they are working on. Oral presentations are held during regular online classes. Instructions on preparing a presentation are given during the first online class. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final oral exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the oral presentation is valid exclusively by the end of the academic year in which the course was attended. Alternatively, if the student chooses not to make a presentation, he/she is required to take the final oral exam.</p>					



	<p><b>Final online written exam or midterm exam:</b> Continuous assessment is conducted during semester in the form of online written midterm exam. A successfully passed online written exam is a test in which the student has achieved at least 50% of the total number of points. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final written exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the written midterm exam is valid exclusively by the end of the academic year in which the course was attended. If the student doesn't pass the midterm exam or chooses not to take it, he/she is required to take the final written exam, which is of eliminatory nature and represents a condition for taking the final oral exam.</p> <p>The online written exam is conducted on the Moodle platform, using the Safe Exam browser and with the obligatory confirmation of the student's identity. The online test is password-protected and time-limited. The online written test can be accessed only once and exclusively within a given timeframe.</p> <p><b>The final grade</b> for the course is derived from the total percentage of success in the final written exam /or midterm exam (50%) and the final oral exam/or oral presentation (50%). The final grade is entered in the official records once the student has officially registered for the exam (via Studomat).</p> <p><b>The final grade is obtained as follows:</b></p> <p>5 (Excellent) = 89 – 100%  4 (Very good) = 76 – 88,9%  3 (Good) = 63 – 75,9%  2 (Sufficient) = 50 – 62,9%</p>
Student obligations	<p>In order to successfully pass the course, the student is required to:</p> <ol style="list-style-type: none"> <li>4. Regularly attend online classes and actively participate in the teaching process, or else independently process and analyze the course contents using mandatory literature and online materials and exercises (available on Moodle).</li> <li>5. Successfully pass the written midterm exam during semester, or the final written exam with a minimum of 50% accuracy.</li> <li>6. Successfully prepare and orally present a professional topic during the semester, or pass the final oral exam.</li> </ol> <p>All obligations must be completed within the agreed deadlines.</p>
Exam dates	Published on the e-learning platform (Moodle) and available in the ISVU system.
Literature	<p><b>Obligatory literature:</b></p> <ol style="list-style-type: none"> <li>1. De Savorgnani, G. (2016). Italia per stranieri, Firenze: ALMA Edizioni (str. 8-100).</li> <li>2. Online materials and independent assignments and exercises, available in online form on the e-learning platform.</li> </ol> <p><b>Elective literature:</b></p> <ol style="list-style-type: none"> <li>1. Pelizza, G. i Mezzadri M. (2002). L'italiano in azienda, Perugia: Guerra edizioni</li> <li>2. <a href="http://www.italianoinazienda.it">www.italianoinazienda.it</a></li> </ol> <p><b>Reference literature (dictionaries):</b></p> <ol style="list-style-type: none"> <li>1. Deanović, M., Jernej, J., Vocabolario italiano croato. Zagreb, ŠK, 2002.</li> <li>2. Deanović, M., Jernej, J., Hrvatsko talijanski rječnik. Zagreb, ŠK, 1994.</li> </ol>

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CURRICULUM IMPLEMENTATION PLAN			
Course unit code	23810		
Course unit title	German language I		
GENERAL INFORMATION			
Study programme	Undergraduate study program in Applied Economy (on-line study)	Year	I
Director of the course and assistant	Kristina Djakovic, Senior lecturer Email: <a href="mailto:kdjakov@unipu.hr">kdjakov@unipu.hr</a>		
Course status <sup>1</sup>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Elective	
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload		6	
Number of hours per semester		45 L+45 E	
Course objectives, teaching and learning methods and learning outcomes			
The aim of the course is to develop receptive abilities and language competences at the A1 – A2 level according to the <i>Common European Framework of Reference for Languages</i> .			
1. Master the knowledge of the language and skills at the A1 – A2 level according to the <i>Common European Framework of Reference for Languages</i> (CEFR)			
2. Read and understand and orally interpret texts at the A1 – A2 level			
3. Correctly apply grammar rules when writing and speaking at the A 1 – A2 level			
4. Develop language skills for oral and written communication at the A1 – A2 level			
5. Apply the adopted knowledge and present (orally and written) and discuss the topics at the A1 – A2 level			
6. Apply what has been acquired into context			
Requirements, correspondence and correlativity			
<b>Requirements:</b> Basic German skills			
<b>Correspondence or Correlativity:</b> German Language Courses			
Course content (list of topics)			

- Kennenlernen
- Wohnen und leben
- Studieren
- Städte
- Deutschland
- Reisen
- Arbeit und Kommunikation
- Monopoly, Regulation of Natural Monopoly.. \* Basic game theory: Nash equilibrium & sub game perfect equilibrium. \* Oligopoly: Bertrand price competition & factors that soften price competition (capacity constraints) \* Cournot competition; asymmetric costs. \* Product differentiation & price competition; Search cost. \* Advertising, market structure & competition \* Collusion & dynamic competition; factors that facilitate collusion. \* Concentration and Market Power. \* Price Discrimination and regulation. \* Vertical Relations and regulation. \* Entry cost, market structure and welfare. \* Strategic barriers to Entry, Predation & Merger of Firms. \* Research and Development. \* Networks and Standards.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	<b>Seminars and workshops</b>	Exercises	<b>Individual tasks</b>	<b>Multimedia and internet</b>
<b>Distance learning</b>	<b>Counseling</b>	Laboratory	<b>Tutorial</b>	Fieldwork

**Student requirements**

 Assessment and evaluation of students (**mark in bold**)

<b>Attendance</b>	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	Oral exam	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance and participation, Exercises	67,5	1-6	2,4	30%
Essay/Continuous Assessment	44,5	1-6	1,6	20%
Written Exam	28	1-6	1	30%
Oral Exam	28	1-6	1	20%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)  
 B = 80 – 89,9% 4 (very good)  
 C = 70 – 79,9% 3 (good)  
 D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

To take the exam of this course, the student has access to digital literature in the form of a digital book/script and classical literature as well as the teaching materials are available through the moodle learning management system.

Positively graded activities, exercises, reports and presentations allow the student to take the mid-term exam/final exam. A passed mid-term exam is considered to be the one in which the student has scored at least 50% of the total number of marks.

A positively passed final written exam allows the student to take the oral part of the exam where they will receive their final grade.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### Weekly schedule of on-line activities

Week 1: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related

to topics 1-2 (estimated time load: 30 hours)

Week 2: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related

to topic 3 (estimated time load: 22 hours)

Week 3: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related

to topics 4-5 (estimated time load: 30 hours)

Week 4: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related to

topic 6 (estimated time load: 20 hours)

Week 5: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related to

topic 7 (estimated time load: 10 hours)

Week 6: Preparation for the final on-line exam (estimated time load: 56 hours)

#### Bibliography

##### Mandatory bibliography

1. On-line materials produced for the necessity of the course on the on-line platform (connection with learning outcomes: 1-6)
2. Digital Student Book (connection with learning outcomes: 1-6)  
DaF im Unternehmen, Klett Verlag, Stuttgart

##### Additional bibliography

1. Online handbooks (connection with learning outcomes: 1- 3)

<https://de.langenscheidt.com>

<https://de.pons.com/%C3%BCbersetzung>

<https://de.pons.com/p/online-woerterbuch/vokabeltrainer>

2. Grammar

Grundstufen Grammatik, Hueber Verlag, München

Dreyer-Schmitt: Lehr-und Übungsbuch der deutschen Grammatik, Hueber Verlag, München

##### URL code (connection with learning outcomes: 2- 5)

[www.deutschland.de/de](http://www.deutschland.de/de), [www.deutschland-tourismus.de](http://www.deutschland-tourismus.de), [www.dw-world.de](http://www.dw-world.de), <http://www.dw.de/deutsch-lernen/>; [www.daad.de](http://www.daad.de), [www.hueber.de](http://www.hueber.de), [www.goethe.de](http://www.goethe.de)

#### Additional information on the course

**CURRICULUM IMPLEMENTATION PLAN**

Course unit code			
Course unit title	Business accounting		
<b>GENERAL INFORMATION</b>			
<b>Study programme</b>	<b>Undergraduate level, Applied Economics, Business economics</b>	Year	1.
<b>Director of the course and assistant</b>	Professor Lorena Mošnja Škare, PhD Professor Robert Zenzerović, PhD Associate Professor Ksenija Černe, PhD Associate Professor Ticijan Peruško, PhD Adriana Galant, PhD		
<b>Course status<sup>2</sup></b>	X	Mandatory	Elective
<b>Credits allocated and type of lectures</b>			
		Winter semester	Summer semester
<b>ECTS students workload</b>			<b>6</b>
<b>Number of hours per semester</b>			30L+30E
<b>Course objectives, teaching and learning methods and learning outcomes</b>			
The basic objective of this course is to familiarize students with the fundamentals of accounting theory, accounting categories, principles and standards, with basic knowledge from accounting field and its development like function, professional and scientific discipline; to develop accounting logic of recording business transactions; to train the students for using basic accounting methods and techniques for monitoring and studying the business cycle to make proper business decisions.			
After completion of the course and gained the scheduled number of credits the students will be able to:			
1. Describe the development of accounting, accounting regulation and standards. 2. Define and explain the basic elements of accounting principles, politics and accounting categories, their measurement, recognition, disclosure and presentation. 3. Describe the course of accounting process, including the role and use of accounting documents and business books. 4. Define, align, classify and group positions of basic financial statements. 5. Apply basic accounting methods for assets, liabilities, equity, revenues and expenses; calculate and distribute financial result 6. Use accounting techniques and skills			
<b>Requirements, correspondence and correlativity</b>			
There's no specific requirements. Correspondence and correlativity: National Accounting (elective), Business Finance (elective) The course is in tune and comparable to all similar courses taught at various universities that perform the programmes in economy and business.			
<b>Course content (list of topics)</b>			
Accounting and accounting profession through history; Intellection, features, tasks, place and role of accounting in contemporary business environment and its classification; Accounting regulation; Accounting Standards (CFRS, IFRS ED); Accounting Principles (Basic principles, Principles of accounting policies, Other principles); Accounting policies; Accounting categories (assets, liabilities, equity, revenues, expenses, financial result); Accounting flow and process; Accounts; Accounting documents and business books; Basics of financial reporting – positioning of items in balance sheet, income statement, cash-flow statement, statement of changes in equity and notes; Introduction to the methodology of accounting for business transactions; Assets			



(fixed and current); Prepayments; Liabilities (long-term and short-term); Accruals; Equity; Revenues; Expenses accounting; Financial result

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	<b>Seminars and workshops</b>	Exercises	<b>Individual tasks</b>	<b>Multimedia and internet</b>
<b>Distance learning</b>	Counseling	Laboratory	<b>Tutorial</b>	Fieldwork

**Student requirements**

The student is required to:

1. Prepare the written report upon the assignments, before the final exam
2. Take tests/final exam.

The student can achieve max 10% share in grade for reported assignments (depends upon the share of correct assignments).

There are three tests:

- I. test – accounting theory (25% share in grade)
- II. test – financial reporting (25% share in grade)
- III. test – bookkeeping of business transactions (40% share in grade)

Each test requires at least 50% of points achieved.

The tests results are recognized for the final grade not longer than 2 years.

Final grade consists of tests' and report's share in grade.

At the final exam the student takes the test(s) not accomplished earlier or to get better grade.

The tests and final exams take place under controlled environments.

**Assessment and evaluation of students (mark in bold)**

Attendance	Class participation	Seminar paper	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	Essay	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	<b>Report-Assignments</b>	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
REPORT	53	1 – 6	1,9	10%
TEST I.	34	1 – 3	1,2	25%
TEST II.	36	4,6	1,3	25%
TEST III.	45	5,6	1,6	40%
<b>TOTAL</b>	<b>168</b>	<b>1-6</b>	<b>6</b>	<b>100%</b>

**Bibliography**

**Mandatory bibliography**

- Franklin, M., Greybeal, P., Cooper, D.: Principles of Accounting, Openstax, 2019 (outcome 1-6) "Download for free at <https://openstax.org/details/books/principles-financial-accounting>."
- or
- Kimmel, P.D., Weygandt, J.J., Kieso, D.E.: Accounting – Tools for Business Decision Making, 4th ed., John Wiley & Sons

<https://www.just.edu.jo/~mqais/CIS252/Accounting.pdf>

chpt: 1-13 (outcome 1-6)  
<https://www.just.edu.jo/~mqais/CIS251.htm>

or

- Albrecht, W.S., Stice, E.K., Stice, J.D., Swain, M.R.: Accounting – Concepts and Application, 10<sup>th</sup> edition, Thomson Southwestern, Mason, 2008.

Digital written, audio and video literature (lectures, ppt, examples, tests etc.) is available on e-learning platform: e-course Business Accounting.

#### Additional bibliography

- Ittelson, T.R., Financial Statements: A Step-by-Step Guide to Understanding and Creating Financial Reports, Career Pr In c, 2009.
- Warren, C.S., Reeve, J.M., Duchac, J.: Accounting, Cengage Learning, 2013.
- National/International Financial Reporting Standards, European Directives (Accounting and Financial Reporting)
- Accounting Regulation (other)

#### Additional information on the course

Information upon exam terms are available at FET website, and upon the test terms under e-course Business Accounting at e-learning platform as well as all relevant notifications and information about this course.

Activities by week:

1. week – 5 hours of online lectures  
Accounting and accounting profession through history; Intellection, features, tasks, place and role of accounting in contemporary business environment and its classification; Accounting regulation; Accounting Standards (CFRS, IFRS ED); Accounting Principles (Basic principles, Principles of accounting policies, Other principles); Accounting policies;
2. week - 5 hours of online lectures  
Accounting categories (assets, liabilities, equity, revenues, expenses, financial result); Accounting flow and process; Accounts; Accounting documents and business books
3. week - 5 hours of online lectures  
Basics of financial reporting – balance sheet, income statement,
4. week - 5 hours of online lectures  
Basics of financial reporting cash-flow statement, statement of changes in equity and notes
5. week - 5 hours of online lectures  
Assets (fixed and current); Prepayments accounting
6. week - 5 hours of online lectures  
Liabilities (long-term and short-term); Accruals; Equity; Revenues; Expenses accounting; Financial

result

Individual work for test I	24 hours
Individual work for test II	26 hours
Individual work for test III	35 hours
Assignments – Report	53 hours

### CURRICULUM IMPLEMENTATION PLAN

Code and course title	Behavioral economics E106
Teacher	Associate professor Saša Stjepanović

Study program	Undergraduate University study "Applied Economics" and Business economics				
Type of course	Mandatory	Course level	Undergraduate		
Semester	Winter	Year of study	II.		
Place of performance	Classroom	Language	English		
ECTS points	6	Number of hours per semester	60 (30 L, 15 S, 15E)		
Prerequisites for enrollment and for mastering	There are no prerequisites for enrolling in the course.				
Correlation	Introduction to Economics, Business Finance, Consumer Behavior...				
Course objective	Introducing students to the basics of behavioral economics, as prior knowledge for later use in finance, marketing, management, public finance.				
Learning outcomes	<ol style="list-style-type: none"> <li>1. Recognize and understand the development and emergence of behavioral economics.</li> <li>2. Acquire competencies necessary for independent interpretation of social phenomena and processes in the economy</li> <li>3. Recognize and evaluate the economic implications of the behavior of theoretical models.</li> <li>4. Explain important concepts related to behavioral economics.</li> <li>5. Understand perspectives in economic development based on alternative theories versus classical ones.</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>14. Introduction to the course; Behavioral science, behavioral economics.</li> <li>15. The historical context of the emergence of behavioral economics.</li> <li>16. Basic ideas of behavioral economics.</li> <li>17. Basic concepts in behavioral economics - cognitive psychology, motivation, perception, thinking, emotions.</li> <li>18. Basic concepts in behavioral economics - heuristics, expectations, intuition, conflict.</li> <li>19. Theories of decision making that have had an impact on the emergence of the foundations of behavioral economics.</li> <li>20. Fundamentals of game theory, Bayesian principle, probability theory, motivation theory, optimization model.</li> <li>21. Application of behavioral economics - in finance, organizational economics, public finance, marketing management, etc.</li> <li>22. Recent research in the field of behavioral economics.</li> </ol>				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS*</b>	<b>Maximum grade share (%)</b>
	Attendance L, S	1-5	45	1,6	10
	Seminar paper	1-5	38	1,4	40
	Colloquium (2) or final exam	1-5	85	3,0	50
	In total		168	6	100
	Additional clarifications (evaluation criteria):				
	The student is obliged to prepare and submit a seminar and present it. If the student has submitted a seminar and has not exhibited or vice versa, he				

	<p>achieves 0 points; therefore it is necessary to submit the paper (in Word) and present it through a ppt presentation.</p> <p>The student is obliged to take both colloquia (a full-time student who achieves an average of more than 50% of points in the colloquium may be exempted from writing the written part of the exam).</p> <p>Students are required to adhere to the deadlines for teaching and presenting the seminar. Unjustified non-compliance with the deadlines will result in a negative grade (0 points) for the activity to be performed. If there are justified reasons (illness or some other more serious reasons), students are required to contact the professor, with evidence of the justification of the reasons.</p> <p>At the end of the semester, fulfilled student obligations, completed colloquia, the overall student performance during classes is assessed, according to the European Credit Transfer System.</p> <p>The final grade of the student is determined according to the following formula:</p> <p>GRADE = 50% seminar and presentation + 50% colloquium (two colloquia) or exam          where is:</p> <p>In order to achieve a positive grade from the written part of the course, a student must pass both colloquia with a positive grade or pass a written exam. If only one colloquium is graded positive, the student must take the exam. The first part of the exam is taken in writing and the second part orally. Seminar work and activities in the current year are recognized no later than the end of the next academic year.</p> <p>The student is required to attend exercises, where he is required to participate in certain experiments, the results of which need to be presented.</p>
Student obligations	To pass the course, a student must: <ul style="list-style-type: none"> <li>• write, submit and present a seminar paper</li> <li>• Participate and present the results of the experiment</li> <li>• Take both colloquia or exams</li> <li>• The exam is taken in writing and after the written part orally</li> </ul>
Exam and colloquium deadlines	They are published at the beginning of the academic year on the faculty websites.
Other important facts related to the course	-
Literature	Required: <ol style="list-style-type: none"> <li>14. Polšek, Bovan. (2014). Uvod u bihevioralnu ekonomiju, Institut Ivo Pilar.</li> <li>15. Just, D. (2014). Introduction to behavioral economics, Cornell University, Wiley.</li> </ol> Elective: <ol style="list-style-type: none"> <li>16. Khaneman, (2013), Thinking, Fast and Slow, Farrar, Straus and Giroux</li> <li>17. Ariely, D. (2008). Predictably Irrational: The Hidden forces that shape our decisions. HarperCollins Canada</li> </ol>

<b>CURRICULUM IMPLEMENTATION PLAN</b>			
<b>Course unit title and code</b>	Commercial and company law (199222) (EC10003)		
<b>Director of the course and assistant</b>	Assist. Prof. Oliver Radolović ( <a href="https://fet.unipu.hr/fet/oliver.radolovic">https://fet.unipu.hr/fet/oliver.radolovic</a> ) Dr. sc. Tea Hasić, lecturer ( <a href="https://fet.unipu.hr/fet/tea.hasic">https://fet.unipu.hr/fet/tea.hasic</a> )		
<b>Study programme</b>	Undergraduate study program in Economics		
<b>Course status</b>	Mandatory	<b>Level</b>	Undergraduate
<b>Semester</b>	Summer	<b>Year</b>	I.
<b>Place of performance</b>	FET, Preradovićeva 1/1 <i>Online</i>	<b>Language</b>	Croatian language English language
<b>ECTS students workload</b>	6	<b>Number of hours per semester</b>	30L – 30S
<b>Requirements</b>	None		
<b>Correspondence or Correlativity</b>	Law in tourism; Selected topics of commercial, financial and labor law; Intellectual property law		
<b>Course objectives</b>	The aim of the course is to provide students with concepts and basic issues in the field of commercial contracts and company law, as well as to emphasize the importance of commercial law in modern economics. The course provides students with an overview of legal acts governing commercial contracts and company law in Croatia. Students are going to be encouraged to think critically and to actively participate in case study analysis.		
<b>Learning outcomes</b>	Learning outcomes are following: <ol style="list-style-type: none"> <li>1.) To define possible forms of business activities in The Republic of Croatia</li> <li>2.) To Identify a form of business activity the most suitable for performing a particular business venture</li> <li>3.) To describe and compare the procedure of establishing a joint stock company and a limited liability company</li> <li>4.) To determine who is (in a particular company) responsible for running business activities</li> <li>5.) To create simple contracts (regularly applied in business practice)</li> <li>6.) To identify advantages and disadvantages of financing business activities, through: loans, leasing, factoring and forfaiting</li> </ol>		
<b>Course content (list of topics)</b>	<ul style="list-style-type: none"> <li>• Croatian Companies Act – introduction</li> <li>• Companies in Croatia – fundamental features</li> <li>• Crafts and companies – a comparison</li> <li>• General and limited partnership (in Croatia) – an overview</li> <li>• Economic Interest Group and European Economic Interest Group – basic features</li> <li>• Joint stock companies in Croatia – basic features</li> </ul>		



	<ul style="list-style-type: none"> <li>• Establishing joint stock companies in Croatia – an overview on establishing procedure</li> <li>• A limited liability companies in Croatia – basic features</li> <li>• Establishing limited liability companies in Croatia – an overview on establishing procedure</li> <li>• Commercial contracts in Croatia – introduction</li> <li>• The most common commercial contracts in Croatia (with a special reference to sales contract)</li> <li>• The most common banking contracts (with special reference to loan agreement)</li> <li>• Leasing – advantages and disadvantages of applying different leasing models in practice</li> <li>• Factoring and forfaiting – comparison and application in practice</li> </ul>																									
<p><b>Modes of instruction and acquiring knowledge</b></p> <p><b>Assessment and evaluation of students</b></p>	<table border="1"> <thead> <tr> <th>Requirements</th> <th>Learning outcomes</th> <th>Hours (estimation)</th> <th>Share in ECTS</th> <th>Share in grade</th> </tr> </thead> <tbody> <tr> <td>Attendance (L)</td> <td>1 - 6</td> <td>20</td> <td>0,8</td> <td>0%</td> </tr> <tr> <td>Seminar or essay (in written form)</td> <td>1 - 6</td> <td>50</td> <td>2</td> <td>30%</td> </tr> <tr> <td>Final exam (written)</td> <td>1 - 6</td> <td>98</td> <td>3,2</td> <td>70%</td> </tr> <tr> <td>Total</td> <td></td> <td>168</td> <td>6</td> <td>100%</td> </tr> </tbody> </table> <p>Additional clarifications:</p> <p>To prepare for this course, digital literature is available (in the form of digital books and scripts) whereas classical literature can be obtained by mail from the University or Faculty library. In addition, video or audio lectures in Croatian and English language are available <i>online</i>. All of these materials are available through the <i>moodle</i> learning management system.</p> <p>Knowledge is to be assessed in an <i>online</i> environment exclusively, after confirmation of student identity - i.e. through the <i>moodle</i> platform using a safe exam browser (as well as through additional platforms, such as: exam view, book widgets, remark test grading etc.) through an <i>online</i> exam, in accordance with prescribed standards, such as: one-time test, password protection of the test, a limited time, defined IP address, etc.</p> <p>During semester, students are required to prepare and submit a seminar or essay (in written form). Fulfillment of respective condition is a prerequisite to apply for exam.</p>	Requirements	Learning outcomes	Hours (estimation)	Share in ECTS	Share in grade	Attendance (L)	1 - 6	20	0,8	0%	Seminar or essay (in written form)	1 - 6	50	2	30%	Final exam (written)	1 - 6	98	3,2	70%	Total		168	6	100%
Requirements	Learning outcomes	Hours (estimation)	Share in ECTS	Share in grade																						
Attendance (L)	1 - 6	20	0,8	0%																						
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Final exam (written)	1 - 6	98	3,2	70%																						
Total		168	6	100%																						
<p><b>Student requirements</b></p>	<ul style="list-style-type: none"> <li>- To submit a seminar or essay (in written form) within the deadline set by the lecturer.</li> <li>- To pass the final exam (in written form, online)</li> </ul>																									
<p><b>Weekly schedule of <i>online</i> activities</b></p>	<ul style="list-style-type: none"> <li>• Week 1: Company Law in Croatia – introduction; Crafts and companies – a comparison; General and limited partnership in Croatia – an overview; Economic Interest Group and European Economic Interest Group – basic features (<i>4h – to listen audio materials and to read written materials available on e-learning</i>)</li> <li>• Week 2: Joint stock companies in Croatia –fundamental features; Establishing joint stock companies in Croatia – an overview on</li> </ul>																									

	<p>establishing procedure (4h – to listen audio materials and to read written materials available on e-learning)</p> <ul style="list-style-type: none"> <li>• Week 3: Limited liability companies in Croatia – basic features; Establishing limited liability companies in Croatia – an overview on establishing procedure (4h – to listen audio materials and to read written materials available on e-learning)</li> <li>• Week 4: Commercial contracts in Croatia – introduction; The most common commercial contracts in Croatia with a special reference to sales contract (4h – to listen audio materials and to read written materials available on e-learning)</li> <li>• Week 5: The most common banking contracts with special reference to loan agreement; Leasing – advantages and disadvantages of applying different leasing models in practice (4h – to listen audio materials and to read written materials available on e-learning)</li> <li>• Preparation of a seminar or essay in written form (estimated time = 50h)</li> <li>• Preparations for written exam (estimated time = 98h)</li> </ul>
<b>Bibliography</b>	<p><b>Mandatory bibliography:</b></p> <ol style="list-style-type: none"> <li>1. Script or power-point presentations and audio or video materials, available on e-learning, 24h (= relevant for learning outcomes 1 – 6)</li> <li>2. Screening report, Croatia – Chapter VI, Company Law (2006), available at: <a href="https://ec.europa.eu/neighbourhood-enlargement/sites/near/files/pdf/croatia/screening_reports/screening_report_06_hr_internet_en.pdf">https://ec.europa.eu/neighbourhood-enlargement/sites/near/files/pdf/croatia/screening_reports/screening_report_06_hr_internet_en.pdf</a> (= relevant for learning outcomes 1 – 4)</li> <li>3. Croatian Crafts Act, available at: <a href="http://www.vsrh.hr/CustomPages/Static/HRV/Files/Legislation_Crafts-Act.pdf">http://www.vsrh.hr/CustomPages/Static/HRV/Files/Legislation_Crafts-Act.pdf</a> (= relevant for learning outcome 2)</li> <li>4. Croatian Civil Obligations Act, available at: <a href="http://www.vsrh.hr/EasyWeb.asp?pcpid=286">http://www.vsrh.hr/EasyWeb.asp?pcpid=286</a> (= relevant for learning outcome 5)</li> <li>5. Stojanovic, S., Guzovski, M. (2013). The significance and role of leasing in corporate financing in Republic of Croatia, p. 539-549 available at: <a href="http://www.efos.unios.hr/repec/osi/journl/PDF/InterdisciplinaryManagementResearchIX/IMR9a45.pdf">http://www.efos.unios.hr/repec/osi/journl/PDF/InterdisciplinaryManagementResearchIX/IMR9a45.pdf</a> (= relevant for learning outcome 6)</li> <li>6. EBRD (2018). Factoring study in EBRD countries of operation, p. 29-34, available online (= relevant for learning outcome 6)</li> </ol> <p><b>Additional bibliography</b></p> <ol style="list-style-type: none"> <li>1.) Horak et al. (2015). Croatian and European Company Law – proceedings, Faculty of Economics, University of Zagreb</li> </ol>

CURRICULUM IMPLEMENTATION PLAN					
Course code and title	Code - Applied economics (part-time study) Statistics in economics				
Course coordinators / lecturers in charge	<u>Doc. dr. sc. Katarina Kostelić</u>				
Study program	Undergraduate study of Applied economics				
Course status	Compulsory	Level of study program	Undergraduate		
Semester	Summer, II.	Year of study	I.		
Location	E-learning online platform	Language of instruction	English		
ECTS points	6	Hours per semester	45L – 45E – 0S		
Prerequisites for enrollment	There are no prerequisites for enrolling in the course.				
Correlativity	Mathematics in economics, Quantitative methods for business decision-making 2, Business analytics, Econometrics				
Course objective	Mastering the basic concepts and methods of descriptive and inferential statistics used in the field of economics and business economics. Analyzing the collected data by selecting appropriate methods and interpretation of calculated statistical indicators.				
Learning outcomes	Upon successful completion of the course the student can: <ol style="list-style-type: none"> <li>1. Select and apply data organization, methods of descriptive statistics and interpret the calculated parameters in a given context</li> <li>2. Select and apply methods of inferential statistics and interpret the calculated indicators in a given context</li> <li>3. Calculate the parameters and interpret the model of simple linear regression with respect to the parameters and context, evaluate the direction, strength of correlation and representativeness of the regression model</li> <li>4. Predict using the trend model and interpret the obtained values</li> <li>5. Recommend appropriate indicators and methods with regard to the characteristics of the data and the given problem and draw conclusions based on the calculated statistical indicators</li> </ol>				
Course contents (list of topics)	<ol style="list-style-type: none"> <li>1. Introduction to the course, measuring, organizing, and presenting data</li> <li>2. Measures of central tendency</li> <li>3. Measures of dispersion</li> <li>4. Measures of asymmetry and kurtosis</li> <li>5. Basic concepts of probability and elements of inferential statistics</li> <li>6. Estimation of population parameters</li> <li>7. Testing hypotheses about the population parameter</li> <li>8. Regression and correlation analysis</li> <li>9. Introduction to time series analysis</li> </ol>				
Planned activities, methods of learning and teaching, assessment criteria	<b>Obligations</b>	<b>Learning outcomes</b>	<b>Time (hours)</b>	<b>ECTS*</b>	<b>Maximal share in the grade (%)</b>
	Written part of the exam	1. – 5.	101	3.6	80 %
	Oral part of the exam	1. – 5.	67	2.4	20 %

	Total	168	6	100 %
	<p>To prepare for the lectures and exam, the student has available digital literature in the form of a digital book, classical literature that can be obtained by mail from the university or faculty library, video lectures, exercises, and online tests with feedback. All these materials are available via the learning management system Moodle.</p> <p><b>Teaching methods:</b> lectures, instructing students to study literature independently, to analyze examples, to practice examples available at e-learning, to independently devise, solve and interpret problem situation.</p> <p>For students to successfully pass the course, it is recommended to attend classes regularly. If the student chooses not to attend online classes, s/he is obliged to independently process and master the course material with the help of mandatory literature, materials, and online assignments available in the e-course.</p> <p>During the <b>written part of the exam</b> it is allowed to use an overview of the formulas available on the e-learning (without notes on them), a calculator and writing utensils. Students may enter the exam only with obligatory presentation of the Iksica. Assessment will be carried out exclusively by electronic means in the online environment on the Moodle platform using Safe exam browser (and additional platforms such as exam view, book widgets, remark test grading, ...), by an online exam with a certificate of identity of students, as well as one-time completion of the test, password protection of the test, with a limited time, defined IP address, etc.</p> <p>The written part of the exam is considered passed, if the student solves a minimum of 50% of the theoretical and a minimum of 50% of the practical part of the written exam. In addition to the written test, the final knowledge test is also conducted orally.</p> <p><b>Competence of students after passing the course:</b>                      Basic general knowledge in the field of statistics                      Ability to analyze and synthesize                      Problem-solving skills                      Ability to work independently                      Ability to apply knowledge in practical examples                      Ability to identify, describe and solve problems in the field of statistics using adequate methods                      Ability to critically evaluate and test assumptions when making decisions or recommending decisions</p>			
Students' obligations	<p>To pass the course, <b>part-time students must:</b>                      - Pass the written part of the exam: 80%                      - Pass the oral part of the exam: 20%</p> <p><b>Alternative</b> form of mastering the course:                      The oral part of the exam can be replaced by attending three MOOC courses (total duration of 67 hours) with the presentation of a certificate of passed courses:  <u>Basic statistics</u>  <u>Inferential statistics</u>  <u>Linear regression for business statistics</u></p>			

Exam dates	Exam dates are published at the beginning of the academic year on the website of the FET - and in ISVU.
Weekly schedule of online activities	<p><b>Week 1</b> - Introduction, measurement scales, statistical tabulation and graphical presentation of statistical data, types of statistical tables, types of statistical graphs, relative numbers of structure, relative numbers of dynamics, relative numbers of coordination, types of variables, sorting and grouping of numerical data. Estimated time load: 20 hours</p> <p><b>Week 2</b> - arithmetic mean, properties of arithmetic mean, harmonic mean, arithmetic and harmonic mean of relative numbers, arithmetic mean of arithmetic means, geometric mean, median for ungrouped statistical data, median for statistical arrays grouped into classes, median for discontinuous numeric ungrouped statistical data, quartiles for statistical arrays grouped into classes, mode, graphical determination of mode. Estimated time load: 20 hours</p> <p><b>Week 3</b> - Moments, dispersion measures, standardized variable, Chebyshev rule and empirical rule, measures of asymmetry and measure of kurtosis. Estimated time load: 20 hours</p> <p><b>Week 4</b> - Random variable, discontinuous random variable (binomial and Poisson distribution), random variable, continuous (normal and standardized normal distribution), sampling, sampling distribution of arithmetic means and proportions, determination of required sample size, central limit theorem, estimates of population parameters: estimation of arithmetic mean, estimation total population, estimation of population proportion. Estimated time load: 20 hours</p> <p><b>Week 5</b> - Defying hypotheses, types of errors, testing the hypotheses about the arithmetic mean and proportion of the basic set (it is equal to the assumed value; and as larger or less than the assumed value), calculating and interpreting the p-value, testing the hypotheses about the equality of arithmetic means and proportions of two basic sets. Chi-squared tests. Estimated time load: 20 hours</p> <p><b>Week 6</b> - Introduction to correlation, correlation coefficients and their interpretation, regression analysis, simple linear regression, estimation of model parameters, time series, indices, trend equation. Estimated time load: 20 hours</p> <p>Preparation for the final exam. Estimated time load: 48 hours</p>
Other relevant facts	All students are required to enroll in e-learning courses and follow current content and information, as well as the dynamics of the course.
Literature	<p>Mandatory:</p> <ol style="list-style-type: none"> <li>1. On-line materials in the form of video lectures, solved problems, exercises and feedback tests for self-assessment. Learning outcomes: 1.-5.</li> <li>2. Horvat J., Mijoč J. (2018). Osnove statistike, Naklada ljevak. Learning outcomes: 1.-5.</li> <li>3. Illowsky, B., &amp; Dean, S. (2018). <u>Introductory statistics</u>. Rice University, OpenStax. (online available textbook with cc license, can be used as a substitute for the textbook under number 2.) Learning outcomes: 1-5.</li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li>1. Diaz et al. (2019). <u>OpenIntro Statistics</u>, Github.org. (online available textbook with cc license, can be used as a substitute for the textbook under number 2.) Learning outcomes: 2.-4.</li> <li>2. Šošić, I.(2006). Primijenjena statistika. II. Izdanje. Zagreb: Školska knjiga</li> </ol>



	3. Rozga, Ante (2003). Statistika za ekonomiste. Split: Ekonomski fakultet u Splitu 4. McClave T.J. et al. (2008). Statistics for Business and Economics. 10. izdanje. Upper Saddle River: Prentice-Hall International.
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CURRICULUM IMPLEMENTATION PLAN			
Course unit code and course name	Contemporary economic systems		
Professor	Sanja Blažević Burić, Associate Professor <a href="https://fet.unipu.hr/fet/sanja.blazevic_buric">https://fet.unipu.hr/fet/sanja.blazevic_buric</a>		
Study programme	Undergraduate Programme of Economics and Business Economics		
Course status	Mandatory	Course level	Undergraduate
Semester	Summer	Year	1st
Location	On-line	Language	English language
ECTS	6	Number of hours per semester	30L -30S
Prerequisites	There are no prerequisites for enrollment. Prerequisites for mastering the course are continuous work and execution of given commitment during the semester.		
Correlativity	Faculty of Economics Zagreb, Faculty of Economics Split, The Oxford Programme for Undergraduate Studies, Economics Department Toronto University, Mount Holyoke College, Bentley University, Southeast Missouri State University, MIT (Technology and the Global Economy).		
Course objectives	To enable students to think critically about changes in the economic structure of various economies throughout history and to perceive the economic and political context. Acquisition of knowledge, skills and competencies for the proper definition of economic systems and the application of acquired knowledge in the modern context of economic development.		
Learning outcomes	<ul style="list-style-type: none"> <li>- Recognize the differences between economic systems and the geopolitical context that conditions the change of the economic system</li> <li>- Understand changes in economic structures throughout history</li> <li>- Think critically about the different types of economies</li> <li>- Compare and analyze differences in institutions, policies and functioning between selected countries</li> </ul>		
Course content	<ul style="list-style-type: none"> <li>- Economic concepts: economic system, forms of societies.</li> <li>- Creating an economic society.</li> <li>- Pre-market economy.</li> <li>- Development of a market economy.</li> <li>- The Industrial Revolution and the impact of industrial technology.</li> <li>- Technological progress and growth.</li> </ul>		

	<ul style="list-style-type: none"> <li>- The Great Depression and the Emergence of the Public Sector.</li> <li>- The role of the state in the economy.</li> <li>- Socialism and socialist economies in transition.</li> <li>- Capitalism and the impact on structural change.</li> <li>- Characteristics of the global economy and divergence of development.</li> <li>- Ideal economic system - round table.</li> </ul>				
Planned activities, methods of learning and teaching and methods of evaluation	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>Share in ECTS (%)</b>	<b>Max share in grade (%)</b>
	Research project	1-4	30	1,5	25
	Oral presentation	1-4	10	0,3	5
	Mid-term exams I and II or final written exam	3-4	128	4,2	70
	Total		168	6	100
	<p>Additional clarifications (grading criteria):</p> <p>The research project consists of making a case-study on the particular country that will be determined by the professor to each of the students. The maximum share in the grade carried out by this research project is 25%, with following division by Croatian grades: grade "sufficient" (local grade: 2) is 12.5% of the grade; grade "good" (local grade: 3) is 17.5% of the grade; grade "very good" (local grade: 4) is 22.5% of the grade and grade "excellent" (local grade: 5) is 25% of the grade. The research project must be submitted (by uploading it to the e-learning platform) until the 1<sup>st</sup> mid-term exam.</p> <p>Oral presentation relates to the presentation of the research project is carried in front of the auditorium and it carries max 5% of the grade.</p> <p>Students have at their disposal the available digital literature in the form of a digital script, classical literature that can be obtained by mail from the University or Faculty Library, and video lectures subtitled to different world languages. Materials in e-form are available through the Moodle learning management system</p> <p>During the semester, two mid-term exams will be held (in the middle and by the end of the semester) each with 35% of the grade. All students can access the exam. Passing the mid-term exam means that a student has made a minimum of 50% of the total points of the mid-term exam or 17,5% of the grade.</p> <p>Students who do not attend the mid-term exam will go to the final written exam that carries 70% of the grade. Students passing 1<sup>st</sup> or the 2<sup>nd</sup> mid-term exam will not have those covered topics in the final exam. Students who pass both mid-term exams may be exempt from the final exam, if they so decide.</p> <p>Knowledge assessment takes place exclusively electronically in an online environment on the Moodle platform using Safe Exam Browser (and additional platforms such as ExamView, BookWidget, Remark Test Grading,...) through online exams with student identity verification, one-time test solving, password protection, with limited time, defined IP address, etc.</p>				

	<p>The student's final grading is done on the basis of the final achievement, i.e. the sum of the grade obtained during the course and the grade on the final exam as follows:</p> <p>Excellent – 89% to 100%, Very good – 76% to 88.9%, Good – 63% to 75.9% rating, Sufficient - 50% to 62.9%.</p>
Students` obligations	<p>To complete the course, a student must:</p> <ol style="list-style-type: none"> <li>1. Create a research project which should be positively graded.</li> <li>2. Successfully pass both of the mid-term exams or the final exam.</li> <li>3. Collect min. 50% of the grade in the overall grading</li> </ol>
Exam dates	<p>Exam dates are announced at the beginning of the academic year at Studomat. Mid-term exam dates will be given to the students in a timely manner, at least one month before the exam.</p>
Other important facts related to the course	<p>Students are required to respect the academic ethical principles that are regulated by the Statute of the Juraj Dobrila University of Pula and other relevant documents. Registrations and withdrawals of exams are done exclusively through the ISVU service.</p>
Weekly schedule of online activities	<p><u>Week 1</u> - video lectures and presentations as well as digital scripts on the topic of course introduction and discussions on economic concepts such as economic systems and forms of society. Lectures on the topic of the first human communities and the creation of an economic society. Estimation of time load for students: 20 h</p> <p><u>Week 2</u> - video lectures and presentations as well as digital scripts on the topic of pre-market economy, the development of the market economy and the emergence of the Industrial Revolution and the factors that prompted the Industrial Revolution. Estimation of time load for students: 25 h</p> <p><u>Week 3</u> - video lectures and presentations as well as digital scripts on the impact of industrial technology on changes in society, technological progress and growth, and the Great Depression with the emergence of the public sector. Estimation of time load for students: 33 h</p> <p><u>Week 4</u> - video lectures and presentations as well as digital scripts on the role of the state in the economy, socialism and socialist economies in transition and the development and fall of Yugoslavia. Estimation of time load for students: 25 h</p> <p><u>Week 5</u> - video lectures and presentations as well as digital scripts on the topic of capitalism and the impact of capitalism on structural changes in Western economies, the characteristics of the global economy and the divergence of development. Joint discussion: The ideal economic system - round table. Summarizing the learned material. Estimation of total time load for students: 25 h</p> <p>Preparation an oral presentation of research projects (continuously through weeks) - estimation of total time load for students: 10 h Writing a research project on a given topic (continuously through the weeks) - estimation of the total time load for students: 30 h Preparation for colloquia / exam (continuously over weeks)</p>

Literature	<p><b>Mandatory:</b></p> <ul style="list-style-type: none"> <li>- <b>Online materials</b> in the form of video lectures available on the Moodle online platform with the possibility of viewing (subtitles) in several world languages.                             <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> <li>- Heilbroner, R.L., Milberg, W. (2012) <b>The Making of Economic Society</b>, 13th ed., Pearson Education, Inc., New Jersey.                             <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> <li>- <b>Digital script</b> is available as material on the e-learning portal and is adjusted annually in accordance with changes in the field of economic methodology.                             <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> </ul> <p><b>Optional:</b></p> <ul style="list-style-type: none"> <li>- Berend, I. T. (2006) <b>An Economic History of Twentieth-Century Europe</b>, Economic Regimes from Laissez-Faire to Globalization, Cambridge University Press.                             <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> <li>- Clark, G. (2007) <b>A Farewell to Alms, A Brief Economic History of the World</b>, Princeton University Press, USA.                             <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> <li>- Maddison, A. (2007) <b>Contours of the World Economy, 1-2030 A.D., Essays in Macro-economic History</b>, Oxford University Press.                             <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> </ul> <p>For each research project, students will be provided with references and instructions for searching available databases and Internet resources.</p>
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CURRICULUM IMPLEMENTATION PLAN				
Course unit code	201680 (EC1010) and/or 23684 (BE107)			
Course unit title	MICROECONOMICS			
GENERAL INFORMATION				
Study programme	Undergraduate Study Program in Economics and Business Economics (on-line study)		Year	II
Director of the course and assistant	Daniel Tomić, PhD Associate Professor of Economics Email: <a href="mailto:dtomic@unipu.hr">dtomic@unipu.hr</a>			
Course status <sup>3</sup>	x	Mandatory	Elective	
Place of teaching		On-line study	Language	English
Credits allocated and type of lectures				
			Winter semester	Summer semester

<b>ECTS students workload</b>	<b>6</b>			
<b>Number of hours per semester</b>	<b>60 (30L + 30S)</b>			
<b>Course objectives, teaching and learning methods and learning outcomes</b>				
<p>Microeconomics is an undergraduate course that teaches the fundamentals in microeconomics. It acquaints students with the study of individual economic agents including consumer behavior vs. producer behavior, output and price decisions under different market structures, factor markets, efficiency trade-off, law of return, marginal analysis and elasticity, decision-making under uncertainty, elements of game theory, government efforts to address market failures and etc.</p> <p>The course objective is to provide insights into microeconomic theories, policies and logic of decision making on a micro level. It provides a basic understanding and application of microeconomic laws, principles and policies from various fields in economics.</p> <p>The course involves regular lectures, visiting lectures, counseling and continuous assessment tools while students are obliged to (1) attend 60% of lectures/seminars, (2) write and present individual task (essay/seminar paper/critical assessment), (3) pass final exam.</p> <p>Learning outcomes for this course are following:</p> <ol style="list-style-type: none"> <li>1. To understand the role of relevant economic issues such as scarcity, specialization, opportunity cost, efficiency trade-off and cost-benefit analysis in microeconomic decision-making.</li> <li>2. To describe basic microeconomic laws and principles by using supply and demand diagrams in order to analyze the impact of overall changes in supply and demand on price and quantity.</li> <li>3. To develop conceptual and technical competencies in microeconomics by understanding consumer behavior, firm behavior and analyzing different types of market structures (monopoly, oligopoly, monopolistic competitions and competitive market).</li> <li>4. To analyze and interpret microeconomic categories and instruments in order to understand how to apply microeconomic principles to a range of policy questions.</li> <li>5. To implement microeconomic instruments and tools for solving different economic problems.</li> </ol>				
<b>Requirements, correspondence and correlativity</b>				
Some basic knowledge of Economics is preferable but not mandatory. Course Introduction to Economics or Economics 101 is also preferable. Correlativity: Introduction to Economics, Macroeconomics, Institutional Economics.				
<b>Course content (list of topics)</b>				
The course will focus on the following topics: <ol style="list-style-type: none"> <li>1. Introduction to microeconomics</li> <li>2. Supply and demand in microeconomics</li> <li>3. Consumer behavior</li> <li>4. Market structures – perfect competition</li> <li>5. Producer vs. consumer surplus</li> <li>6. Market structures – monopoly</li> <li>7. Market structures – monopolistic competition and oligopoly</li> <li>8. Scarce economic resource markets</li> <li>9. Decision making under uncertainty</li> <li>10. Introduction to the game theory</li> <li>11. Welfare economics</li> <li>12. Government issues in microeconomics</li> </ol>				
<b>Modes of instruction and acquiring knowledge (mark in bold)</b>				
Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork



**Student requirements**
**Assessment and evaluation of students (mark in bold)**

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the *European credit transfer system***

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	45	1-5	1,6	10%
Continuous Assessment and Essay/Seminar	38	1-5	1,4	30%
Written Exam	85	1-5	3,0	60%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.

Students are required to write individually an essay that has the characteristics of a critical review. The topic of this kind of an essay is assigned by the professor; the student must fulfill this obligation and submit the work in word format for assessment and confirmation of quality. The quantity of the paper is defined as a maximum of 2000 words. Based on the quality of the written work, the student achieves up to 30% share in the final grade:

- if the student in the essay covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 16-30%; if he/she partially covered the proposed topic in the paper, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-15% share in the grade.

Continuous assessment:

On-line colloquium I - covers topics 1-5 (max. 30% of grade)

On-line colloquium II - covers topics 6-10 (max. 30% grade).

Succession on the colloquium is considered when the student has achieved at least 50% of the total number of points (in each colloquium). The student must pass the material from both colloquia in order for them to be recognized as equivalent to the final written exam. In agreement with the students, it is possible to divide the course content in more than two colloquia. Writing the colloquia is not obligatory.

The final grade is obtained by summing the achieved percentages in essay-type seminars, activities in on-line classes and both colloquia as the equivalent of a written exam. The student takes the final on-line written exam in case he/she: (1) does not pass one of the colloquia, (2) does not pass any of the colloquia, (3) is not satisfied with the achieved grade, (4) wants to take the final written exam. At the final written exam, the student takes



the equivalent of both colloquia that he did not pass during class. At the final written exam, the student can achieve 60% of the grade, and the exam is graded as positive if the student has achieved at least 50% of the total number of points.

Passed colloquia, essay paper and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### **Student obligations**

To pass the course, a student must:

1. Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class
2. Prepare an essay paper with an emphasis on the critical aspect according to the instructions (submitted work is an obligatory condition for taking the final exam)
3. Attend on-line colloquia or final on-line written exam

#### **Exam and colloquium deadlines**

Listed at the beginning of the academic year on the FET and ISVU websites.

#### **Weekly schedule of on-line activities**

Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-3 (estimated time load: 15 hours)

Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 4-6 (estimated time load: 15 hours)

Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 7-9 (estimated time load: 15 hours)

Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 10 and writing a given independent essay (estimated time load: 15 hours)

Week 5: Studying and writing an essay (estimation of time load: 23 hours)

Week 6: Preparation for the final on-line written exam (estimated time load: 85 hours)

#### **Bibliography**

##### **Mandatory bibliography**

1. Pyndick, Robert and Daniel Rubinfeld (2018) Microeconomics, 9<sup>th</sup> Edition, Pearson. (correlation with learning outcomes: 1-4)
2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-5)

##### **Additional bibliography**

1. Varian, Hall (1992) Microeconomic Analysis, Third Edition, W.W. Norton and Company, Inc., NY.
2. Mas-Colell, Andreu, Whinston Michael and Jerry Green (1995) Microeconomic Theory, Oxford University Press, Oxford, NY.

##### **Additional information on the course**

Any available literature that deals with topics in microeconomics can be used alternatively.

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.

Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.

The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.

Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

CURRICULUM IMPLEMENTATION PLAN			
Course unit code			
Course unit title	MACROECONOMICS		
GENERAL INFORMATION			
Study programme	Undergraduate study program in Economics	Year	II
Director of the course and assistant	Alen Belullo, Phd Associate Professor of Economics Email: <a href="mailto:abelul@unipu.hr">abelul@unipu.hr</a>		
Course status <sup>4</sup>	X	Mandatory	Elective
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload		6	
Number of hours per semester		(30L+30S)	
Course objectives, teaching and learning methods and learning outcomes			
The aim of the course is to Distinguish basic macroeconomic concepts and understand macroeconomic models. Learning outcomes are following: 1. List the basic macroeconomic concepts 2. Mathematically solve macroeconomic models 3. Compare different schools of macroeconomic thought 4. Recognize the macroeconomic situation in the country			
Requirements, correspondence and correlativity			
<b>Requirements:</b>			
<b>Correspondence or Correlativity:</b> Monetary economy, Public Finance			
<b>Course content</b> (list of topics)			
1. Microeconomic foundations of macroeconomics 2. Aggregate supply 3. Theories of consumption 4. Model of Multiplier 5. Fiscal policy 6. Investment theories 7. Monetary policy 8. Open economy model 9. Balance of goods and cash flows (IS-LM analysis) 10. External equilibrium curve			
<b>Modes of instruction and acquiring knowledge</b> (mark in bold)			

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	<b>Counseling</b>	Laboratory	Tutorial	Fieldwork

**Student requirements**
**Assessment and evaluation of students (mark in bold)**

<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	Essay	Research
Project	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance at classes and seminars	45	1-2	1,6	10%
Continuous Assessment	28	1-2	1	20%
Seminar Paper/ Research	67	1-3	2,4	30%
Exams	28	1-3	1	40%
<b>Total</b>	168		6	100%

According to the **Code of evaluation** the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

**Attendance at classes and seminars:**

The student gets% of share in grade depending on% how many times he was present in online classes. The student is expected to be actively involved in the discussion during the online lecture and presentation of seminar papers. Attendance is checked via a code scan in Moodle.

**Continuous Assessment:**

In order to motivate continuous learning of students to make it easier to follow the material in lectures, 2 short unannounced tests (10% each) will be organized in online environments on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address.  
Independent task.

**Seminar Paper/Research:**

The seminar paper consists of a written assignment and a presentation of the seminar. Papers must be in written form, the student must apply the correct research method and correctly interpret the results obtained. The written part brings a maximum of 10% of share in grade and is submitted for evaluation in the Moodle system. The student must prepare a power point presentation and present an independent task online in front of the whole class. By presenting an independent task, the student achieves up to a maximum of 10% success.

**Written exams:**

The student writes two colloquia which yield 25% of share in grade. The colloquium is solved in an online environment, on the Moodle platform, with the verification of the identity of the student protected by a password, with a limited time and a defined IP address.

At the end of the semester, the student's overall performance during classes is assessed, according to the European Credit Transfer System.

A student who does not achieve 50% of share in grade through activities during classes can pass the exam through the final exam, whereby the percentages of activities that he may have achieved during classes are deleted.

Passed the final exam is considered a test in which the student has achieved at least 50% of the total number of points.

#### Student obligations

To pass the course, the student must:

1. Continuously learn and prepare for tests
2. Make a written assignment and present it to the class
3. Pass the colloquium or final exam

#### Weekly schedule of online activities

Week 1 - Study and review digital scripts, power point presentations and books related to the microeconomic foundations of macroeconomics. Estimation of time workload 20 hours.

Week 2 - Study the literature, review video lectures and power point presentations related to aggregate supply models, consumption theory and multiplier model. Estimation of time workload 20 hours.

Week 3 - Study the literature, review videos and power point presentations related to fiscal and monetary policy. Workload estimate 20 hours.

Week 4 - Study the literature, review video materials and power point presentations related to the open economy model and external balance. Workload estimate 20 hours.

Week 5 - Studying the literature, collecting data for the seminar paper; write a seminar paper, prepare a presentation and present the same to the online class. Load estimate 35 hours.

Week 6 - Preparation for a colloquium or final exam. Estimation of time workload 53 hours.

#### Bibliography

##### Mandatory bibliography

1. On-line materials developed by the course participants in the form of video lectures that are available on the online platform 24 hours related to learning outcomes 1 - 4.
2. Digital scripts created for the needs of the course by the lecturers that are available on the e-learning of Moodle related to learning outcomes 2.
3. Exercise tasks developed by the course leader available on the Moodle e-learning platform related to learning outcomes 2
4. Dornbusch, R., S. Fischer, R. Startz, Macroeconomics, 13 ed, McGraw Hill, NY, 2017.

##### Additional bibliography

1. Mankiw, N.G., Macroeconomics, 9 ed., Worth Publishing, 2015.

##### Additional information on the course

### CURRICULUM IMPLEMENTATION PLAN

Course code and name	Economics of innovation EI...		
Teacher/teacher Associate/Contributor (with link to network p.)	<a href="#">Prof.dr.sc. Marinko Škare (holder)</a> <a href="#">Doc.dr.sc. Sven Maričić</a> <a href="#">Doc.dr.sc. Katarina Justić</a>		
Study program	Undergraduate study; Applied economics and Business economy		
Course Type	Regular	Course Level	Undergraduate
semester	winty	Year of study	AndI

Run Location	Online environment	Run language (other languages)	Croatian
Number of ECTS credits	6	Number of hours per semester	60 (30 P, 30 S, 0V)
Prerequisites for enrollment and mastery	No preconditions for course enrolment		
Correlativeness	Digital business, Institutional economy, Development Economics, Economic Informatics, Modern Economic Systems, International Markets and Business.		
Course objective	Train students to understand and apply economic innovation and knowledge, improve knowledge and skills on efficiency and performance in innovation and innovation policies, look at the basic factors that make up the framework of modern innovation strategies, critical review and analysis of innovation policies in the global context and digital markets.		
Learning outcomes	<ol style="list-style-type: none"> <li>6. Be able to define and conduct economic analysis of innovations.</li> <li>7. Apply your knowledge and skills in a professional and academic environment by linking the theory and practice of innovation economics. Interpret the impacts of regional, national and international factors on business processes.</li> <li>8. To critically reflect on the role of economics of innovation in times of digital economy. Use qualitative and quantitative analysis techniques in economic processes driven by technology and innovation.</li> <li>9. Develop a clear and holistic insight into the relationship between economic and technological aspects in the business process.</li> <li>10. Understand existing models of innovation business policies in the digital business environment. develop managerial management and decision-making skills on the adoption of new technologies and innovations and investments in R&amp;D.</li> <li>11. Identify business models according to the needs of stakeholders and owners in a changing business environment.</li> </ol>		
Course content	<ol style="list-style-type: none"> <li>23. Introduction to innovation economics.</li> <li>24. Competition and incentives for innovation, Complementaries and substitutions in innovation.</li> <li>25. Intellectual property and patents,licenses, technological and organizational standards.</li> <li>26. Innovation and strategy for the adoption of new technologies, Entrepreneurship and creative destruction.</li> <li>27. Contracts and Stimulation of Inventions, Inventions and Reward</li> <li>28. International Exchange and Innovation, Diffusion of Innovation.</li> <li>29. Growing yields and network externalities, Spatial dimension of innovation: national and regional innovation strategies.</li> <li>30. Static and dynamic competitiveness, Social incentives for R&amp;D investments.</li> <li>31. Economic analysis of innovation, The importance of innovation in economic development.</li> <li>32. Evolutionary approach to innovation, Innovation, economic growth and wealth creation.</li> </ol>		



	commitments	Outcomes	hours	ECTS*	Maximum share of the rating (%)
	Attendance S and P	1-5	45	1,6	10
	Seminar paper and essay	1-5	38	1,4	40
	Koloquium (2) or final exam	1-5	85	3,0	50
	altogether		168	6	100
Planned activities, learning and teaching methods and ways of evaluating (indicate alternative acquisition in student obligations)	Additional clarifications (evaluation criteria): For the preparation of this course, the student has available digital literature in the form of a digital book and script, classical literature that he can obtain by post from the university or faculty library, video lectures that are adapted (subtitles) to different world languages. All these materials are available through moodle learning management system . The student is obliged to create and submit a seminar. The student has the option of taking two colloquiums (a student who achieves an average of more than 50% of the points on the colloquium can be exempt from writing the final exam). Upon completion of the semester, the fulfilled obligations of the student, completed colloquiums, the <b>overall performance of the student during the course of teaching</b> is evaluated , and according to the European Credit Transfer System. The final assessment of the student is determined according to the following Formula: $\text{RATING} = 50\% \text{ seminar and essay} + 50\% \text{ colloquium (two colloquiums) or exam}$ where is: Student in order to achieve a positive ocyen in the course should pass both colloquiums positivemocyen or pass a written exam. Knowledge assessment will be carried out exclusively electronically in an online environment on the moodle platform using safe exam browsers, (and additional platforms such as exam view, book widghets, grading test , ... ), through an online exam confirming the identity of students, as a one-time resolution of the test, by protecting the test with a password, for a limited time, a defined IP address, etc. Seminar work and activities in the current year are recognized no longer than the end of the next academic year. The student is obliged to attend exercises, where he is obliged to participate in certain experiments, the results of which need to be made and submitted in writing.				
	Student obligations	To pass the course, the student must (what and until when*) : <ul style="list-style-type: none"> <li>▪ write, submit a seminar paper and essay</li> <li>▪ Create a specific experiment and submit it in writing</li> <li>▪ take both colloquiums or the final exam</li> <li>▪ exam is taken in writing or in an online environment</li> </ul>			
Exam deadlines and colloquium	They are published at the beginning of the academic year on the FET and ISVU website.				

Weekly schedule of online activities	<ol style="list-style-type: none"> <li>7. Week – Studying and reviewing video lectures and powerpoint presentations, as well as digital scripts and books related to Introduction to Innovation Economics, Competition and Incentives for Innovation, Complementaries and Substitutes in Innovation, Intellectual Property and Patents, Licenses, Technological and Organizational Standards. Estimate of time load: 15 hours.</li> <li>8. Week - Solving interactive tasks through the moodle platform. Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and books related to Innovations and Strategy of New Technologies Adoption, Entrepreneurship and Creative Destruction, Contracts and Stimulation of Inventions, Inventions and Rewards, International Exchange and Innovation, Innovation Diffusion. Estimation of time load: 20 hours.</li> <li>9. Week – Studying literature and writing a given seminar paper and essay. Studying and reviewing video lectures and powerpoint presentations, digital scripts and books related to Rising yields and online externalities, Spatial dimension of innovation: national and regional innovation strategies, Static and dynamic competitiveness, Social incentives for investments in R&amp;D. Estimation of time load: 30 hours.</li> <li>10. Week - Create one of the default experiments. Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and books related to Economic Innovation Analysis, The Importance of Innovation in Economic Development. Estimation of time load: 20 hours.</li> <li>11. Week - Studying literature and writing a given seminar paper and essay. Study and review video lectures and PowerPoint presentations, and digital scripts and books related to recent research in the fields Evolutionary Approach to Innovation, Innovation, Economic Growth and Wealth Creation. Solving interactive tasks through the moodle platform. Estimation of time load: 20 hours.</li> <li>12. Preparing for the final exam. Estimate time-laden: 63 hours.</li> </ol>
literature	obliged: <ol style="list-style-type: none"> <li>18. Online materials in the form of video lectures that are available on the online platform 24sata, and have the ability to browse (subtitles) in several world languages.</li> <li>19. R. D. Atkinson, S. J. Ezell, Economics of Innovation (2014), Mate d.o.o. Related to learning outcome under number 1, 2,3, 4.</li> <li>20. Swann, G.M. P. (2009). The economics of innovation: an introduction. Cheltenham: Edward Elgar. Related to learning outcome number 5, 6, 7.</li> <li>21. Chesbrough, H.W. (2006). Chapter 1. Open Innovation: a new paradigm for understanding industrial innovation - in Chesbrough, H. W., Vanhaverbeke, W., &amp; West, J. (Eds.). (2006). Open innovation: researching a new paradigm. Oxford: Oxford University Press. Related to learning outcome number 8, 9, 10.</li> <li>22. Script made for the purposes of the course by the course holder which is located as an available material on e-learning or moodl. (adjusted on an annual basis by changes in the course with world novelties in the field of introduction to economics)</li> </ol>

	23. Digital book adapted for students of distance learning courses. (adjusted on an annual basis by changes in the course with world novelties in the field of introduction to economics)  Election: 24. Nelson, R.R. (2004). Why and how innovations get adopted: a tale of four models. <i>Industrial and Corporate Change</i> 13, 679-699.
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CURRICULUM IMPLEMENTATION PLAN			
Course unit code and title	CORE ECON 8234 EB WELFARE ECONOMICS		
Director of the course Assistant (including a webpage link)	<a href="#">Prof.dr.sc. Marinko Škare, Full Professor</a> <a href="#">Romina Pržiklas Družeta, PhD, Assistant Professor</a>		
Study program	Applied economics, undergraduate university program		
Course status	Mandatory	Course level	Undergraduate
Semester	Winter	Study year	2nd
Venue	Online	Language of lecture (other languages)	English
ECTS student workload	6	Number of classes per semester	30P – 0V – 30S
Enrolment and course mastering requirements	There are no preconditions to enrol.		
Correlativity	Economic development, advanced macroeconomics		
Course objective	To acquire basic knowledge in the field of development and crisis of the welfare state. To develop a critical approach towards understanding economic processes in order to be able to enter a reasoned discussion on the economic and social implications of policies.		

Learning outcomes	Once the student has completed, successfully acquired and mastered the body of knowledge and skillset comprising the course, they should be able to: <ol style="list-style-type: none"> <li>1. develop a critical understanding of the welfare state development process</li> <li>2. analyze and critically approach the roots of the crisis of welfare economics</li> <li>3. analyze the role of policies and their application</li> <li>4. analyze the welfare state model</li> <li>5. rely on the knowledge acquired to analyze the sustainability of welfare economics.</li> </ol> Associated learning outcomes at study program level: <ul style="list-style-type: none"> <li>- identify and apply specific research methods in solving an economic issue - related to the learning outcomes of Course nos. 2, 4 and 5</li> <li>- apply the acquired knowledge and skills in solving economic issues on a regional, national and international level - related to the learning outcomes of Course no. 5</li> </ul>				
Course content	<ol style="list-style-type: none"> <li>1. Philosophical justification and criticisms of the welfare state</li> <li>2. Post-war development of the welfare state</li> <li>3. Role of policies and political institutions</li> <li>4. Fighting poverty</li> <li>5. Welfare economics models</li> <li>6. Social security systems</li> <li>7. Welfare economics sustainability</li> </ol>				
Planned activities, learning and teaching methods and evaluation procedures	<b>Requirements</b>	<b>Outcomes</b>	<b>Classes</b>	<b>ECTS*</b>	<b>Maximum share of the grade (%)</b>
	Essay (seminar paper) with presentation	1 – 6	45	1.6	35%
	Assignment	3 - 6	63	2.2	15%
	Written exam	1 – 6	60	2.2	50%
	Total		168	6.0	100%

**Explanation (assessment criteria):**

In addition to the online live lectures, students can also avail themselves of the asynchronous learning material from the Welfare Economics e-course available on the e-learning platform.

Seminar paper - the topic is assigned by the course lecturer; the student is required to complete, submit and present it, acquiring a maximum share of 35% of the grade:

- paper containing the basic elements of topic elaboration, submitted in writing and presented, shall be awarded a 25% grade share
- paper containing a more detailed topic elaboration, submitted in writing and presented, shall be awarded a 35% grade share.

Assignment – the student independently analyzes an account from the system of national accounts and elaborates on its structure and use, acquiring a maximum share of 15% of the grade:

- a solved assignment with minor revision needed shall receive up to a 10% share of the grade
- a correctly solved assignment shall receive up to a 15% share of the grade.

In case there are serious omissions, the seminar paper (assignment) shall be returned to the student for correction as per the instructions received. Alternatively, the student may produce a scientific paper in lieu of the seminar paper.

A passing test grade shall be awarded to those students who achieved at least 50% out of the total number of points.

The final grade consists of the test, seminar paper with presentation and assignment shares of the grade. At the final exam the student takes the test not accomplished previously or to earn a better grade thereof.

The final grade is determined as follows:

- 5 – 89 do 100%
- 4 – 76 do 88.9%
- 3 – 63 do 75.9%
- 2 – 50 do 62.9%

The tests and final exams take place in a controlled environment.



Student requirements	<p>In order to successfully master the course, the student needs to (elements and deadlines):</p> <ol style="list-style-type: none"> <li>1. Produce a seminar/scientific paper on a topic related to economic analysis of inequality and poverty and submit it before the deadline set by the lecturer; present it in agreement with the lecturer;</li> <li>2. Produce an assignment and submit it before the deadline set by the lecturer;</li> <li>3. Take the test/final exam.</li> </ol>
Exam and midterm quiz dates	<p>Published at the beginning of the academic year on the FET and ISVU (Information System of Higher Education Institutions) websites. Test date is published on the e-course webpage together with all other relevant notices and information.</p>
Other important course information	<p>A successfully passed test and a completed and presented seminar paper are honored only until the end of the next academic year.</p>
Weekly online schedule	<p>Week1 – 5 classes - Philosophical justification and criticisms of the welfare state</p>
	<p>Week2 – 5 classes - Post-war development of the welfare state</p>
	<p>Week3 – 5 classes - Role of policies and political institutions - Fighting poverty</p>
	<p>Week4 – 5 classes - Welfare economics models</p>
	<p>Week5 – 5 classes - Social security systems</p>
	<p>Week6 – 5 classes - Welfare economics sustainability</p>
	<p>Test preparation – 30 hours</p>
	<p>Seminar/scientific paper production and presentation – 45 hours</p>
<p>Assignment – 63 hours</p>	

Literature	<p>Students have at their disposal the digital written and audio material with links to virtual classrooms, asynchronous lectures/exercises, presentations and class notes from the Welfare Economics e-course available on the e-learning platform, plus the following literature:</p> <p><i>Assigned reading:</i></p> <p><i>Francis, G., Stephan, L. and others (2010): The Oxford Handbook of Welfare State, Oxford University Press (Learning outcome 1-5)</i></p> <p><i>Elective reading:</i></p> <ol style="list-style-type: none"> <li>1. Galbraith, J.K. (1974): The Affluent Society, Penquin Books, England</li> <li>2. J. Le Grand, C. Propper, R. Robinson (2008): The Economics of Social Problems; Palgrave Macmillan (selected chapters)</li> <li>3. P.G. Rosner (2003): The Economics of Social Policy; Edward Elgar (selected chapters)</li> <li>4. Jefferson, P. (2012): The Oxford Handbook of The Economics of Poverty, Oxford University Press</li> <li>5. Škare, M., D. Tomić (2015): Collected Works of Soumitra Sharma; Economics in an Awkward Corner, FET Dr. Mijo Mirković in Pula, Zagreb University Library.</li> <li>6. Haughton, J., Khandker, S.R. (2009): Handbook on Poverty and Inequality, The World Bank (chapters 1,2,3,4,6,8,9,10)</li> </ol> <p>Remark: additional literature is defined on the basis of assigned topics for the seminar paper.</p>
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CURRICULUM IMPLEMENTATION PLAN			
Code and course title	E11006 Analysis of economic indicators and 'Big data'		
Teacher	Associate professor Daniel Tomić Associate professor Saša Stjepanović		
Study program	Undergraduate University study "Applied Economics"		
Type of course	Mandatory	Course level	Undergraduate
Semester	Winter	Year of study	II.
Place of performance	Classroom	Language	English
ECTS points	6	Number of hours per semester	30L-0-30S

Prerequisites for enrollment and for mastering	There are no prerequisites for enrolling in the course.				
Correlation	Introduction to Economics, Macroeconomics, Econometrics, Economic Growth and Macroeconomic Modeling				
Course objective	Introduce students to how to read, analyze and interpret basic economic indicators, so that students gain basic knowledge about what are the most important economic indicators, where to find information about them, how to read and analyze these indicators, what are their shortcomings and how reliable they are and what the alternative indicators are.				
Learning outcomes	<ol style="list-style-type: none"> <li>1. Understand what the most important economic indicators are.</li> <li>2. Find out the most important sources of collecting data on economic indicators.</li> <li>3. Get an insight into how to find data on important economic indicators for a particular country or region.</li> <li>4. Acquire competencies necessary for independent analysis and interpretation of economic indicators and their impact on the description of economic phenomena.</li> <li>5. Recognize and evaluate the shortcomings that exist in certain indicators and be able to explain the existing alternative options.</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>1. Interpretation of basic economic indicators and essential mechanisms.</li> <li>2. Measuring economic activity</li> <li>3. Economic growth: trends and cycles (Nominal GDP, Real GDP, GDP per capita, GDP: Output, GDP: Consumption, Cyclical indicators...)</li> <li>4. Population, employment and unemployment (Population, Employment, Unemployment, Labor force...)</li> <li>5. Fiscal indicators (Public spending, Government spending, Budget deficit, surplus and balance, Government and public debt...)</li> <li>6. Consumers (Personal income, Disposable income, Personal consumption, Personal savings, Consumer confidence...)</li> <li>7. Investments and savings (Fixed investments, intention to invest, National savings, Savings ratio...)</li> <li>8. Industry and trade (Business conditions: Indices and surveys, Industrial and manufacturing production, Wholesale and trade, Retail and trade...)</li> <li>9. Balance of payments (Imports of goods and services, Exports of goods and services, Trade balance, External debt, International investment position, ...)</li> <li>10. Exchange rates (Nominal exchange rate, Special drawing rights, EMU, ECU, ERM, Exchange conditions...)</li> <li>11. Money and financial markets (Money supply, M0... M5, Bank lending, Interest rates, Share prices and yields...)</li> <li>12. Prices and wages (Price indicators, Oil prices, Gold prices, Wages, wages and labor costs, GDP deflators...)</li> </ol>				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum grade share (%)</b>
	Attendance L, S	1-6	45	1,6	10
	Seminar paper	1-5	38	1,4	40
	Exam (oral)	1-5	85	3,0	50

	In total	168	6	100
	<p>Additional clarifications (evaluation criteria):</p> <p>Activity: Students are required to attend lectures and seminar classes and actively participate in discussions. Activity in lectures and seminar hours is evaluated and students can achieve up to 10% share in the assessment.</p> <p>Students are required to create an independent seminar paper that has the characteristics of a research character. The seminar is awarded by the professor, the student conducts it and submits it for examination to the professor for assessment and confirmation of quality. Then the student presents it in class in front of other students, where he achieves up to 40% share in the final grade: - if the student in the seminar covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect of the conclusion and at the same time encourages other students to discuss achieves 21-40%; if he partially covered the proposed topic in the seminar, did not use all the proposed literature and it does not have a critical aspect, and the student does not encourage discussion with his presentation can achieve 0-20% of the grade.</p> <p>The last aspect of the assessment is formed on the oral part of the exam, which is based on up to 5 questions from lecture topics and related topics of seminar papers, and makes up 50% of the total share in the final grade. The final grade from the course is obtained by summing the achieved percentages in lectures, seminar classes and the oral part of the exam.</p> <p>Seminar work and activity in the current academic year are recognized no later than the end of the next academic year.</p>			
Student obligations	<p>To pass the course, the student must:</p> <ol style="list-style-type: none"> <li>1. Attend lectures and seminar presentation hours and actively participate in discussions at student presentation hours;</li> <li>2. Prepare a seminar paper according to the instructions and present it to students during regular classes (condition for taking the oral exam);</li> <li>3. Take the final oral exam.</li> </ol>			
Exam and colloquium deadlines	<p>They are published at the beginning of the academic year on the faculty websites.</p>			
Other important facts related to the course	<p>Students are obliged to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Ordinance on Studies, the Ordinance on Grading and the Code of Ethics.</p> <p>The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.</p> <p>Registration and cancellation of final exams is done exclusively through the ISVU service or student office.</p> <p>The commission exam, which the student takes for the 8th time, reflects the standards of the entire course and will be held orally through the selected Teachers' Commission for the commission exam.</p>			

Literature	<p>Required:</p> <ol style="list-style-type: none"> <li>Richard Stutely, Economic Indicators - The Meaning of Economics and Economic Indicators, Masmedia, (2007). Connected with learning putcomes (1-5)</li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li>Anne Dolganos Picke, International Economic Indicators and Central Banks-Wiley (2007);</li> <li>Bernard Baumohl, The Secrets of Economic Indicators Hidden Clues to Future Economic Trends and Investment Opportunities-Pearson Prentice Hall (2004);</li> <li>Jesus-Backus M., The Pocketbook of Economic Indicators (2002);</li> <li>Richard Yamarone, The Traders guide to key economic indicators, Princeton (2004).</li> </ol>
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<b>CURRICULUM IMPLEMENTATION PLAN</b>			
Course unit code			
Course unit title	MONETARY ECONOMICS		
GENERAL INFORMATION			
<b>Study programme</b>	Undergraduate study program in Economics	Year	II
<b>Director of the course and assistant</b>	Manuel Benazić, PhD Full Professor Email: <a href="mailto:manuel.benazic@unipu.hr">manuel.benazic@unipu.hr</a>  Marta Božina Beroš, PhD Associate Professor Email: <a href="mailto:marta.bozina.beros@unipu.hr">marta.bozina.beros@unipu.hr</a>  Danijel Petrović, MSc Teaching assistant Email: <a href="mailto:danijel.petrovic@unipu.hr">danijel.petrovic@unipu.hr</a>		
<b>Course status<sup>5</sup></b>	X	Mandatory	<b>Elective</b>
Credits allocated and type of lectures			
		Winter semester	Summer semester
<b>ECTS students workload</b>		<b>6</b>	
<b>Number of hours per semester</b>		<b>(30L+30S)</b>	
Course objectives, teaching and learning methods and learning outcomes			
To enable students to understand the role of money in specific economic circumstances based on knowledge of the evolution and functions of money, changes in the value of money and the role of banks in the economy.			



Students will be encouraged to think critically by using modern technical learning solutions in terms of creating monetary stability through sustainable monetary policy and commercial bank management activities.

Learning outcomes are following:

1. To define the science of money.
2. To distinguish and describe different forms of money.
3. To explain the evolution of monetary systems.
4. To justify the value of money.
5. To interpret financial phenomena and banking.

#### Requirements, correspondence and correlativity

**Requirements:** None

**Correspondence or Correlativity:** Macroeconomics, Microeconomics, Financial institutions and markets, Bank management and financial services and International finance

#### Course content (list of topics)

1. An Overview of the Financial System
2. What Is Money?
3. An Economic Analysis of Financial Structure
4. Banking and the Management of Financial Institutions
5. Banking Industry: Structure and Competition
6. Financial Crises in Advanced Economies
7. Central Banks
8. The Money Supply Process
9. Tools of Monetary Policy
10. The Conduct of Monetary Policy: Strategy and Tactics
11. The International Financial System
12. Quantity Theory, Inflation, and the Demand for Money
13. Transmission Mechanisms of Monetary Policy

#### Modes of instruction and acquiring knowledge (mark in bold)

Lectures	Seminars and workshops	Exercises	Individual tasks	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

#### Student requirements

#### Assessment and evaluation of students (mark in bold)

Attendance	Class participation	Seminar paper	Experimental work
Written/Online exam	Oral exam	Essay	Research
Project	Continuous assessment (Midterm Written/Online exams)	Report	Practical work

#### Assessment breakdown within the European credit transfer system

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Two Written/Online Midterm Exams or Written/Online Final Exam	168	1-5	6	100%
<b>Total</b>	168		6	100%

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 89 – 100% 5 (excellent)  
 B = 76 – 88,9% 4 (very good)  
 C = 63 – 75,9% 3 (good)  
 D = 50 – 62,9% 2 (sufficient)

### Bibliography

#### Mandatory bibliography

1. Mishkin, F.S. (2019): *The Economics of Money, Banking, and Financial Markets: Global Edition*, 12th Edition, Pearson: Columbia University (selected chapters)

#### Additional bibliography

1. Cecchetti, S. and Schoenholtz, K. (2021): *Money, Banking and Financial Markets*, 6th Edition, McGraw Hill.
2. Hubbard, G. and O'Brien, A.P. (2021): *Money, Banking, and the Financial System*, 4th Edition, Pearson.
3. De Grauwe, P. (2020): *Economics of Monetary Union*, 13th Edition, Oxford University Press.
4. European Central Bank (2011): *The monetary policy of the ECB*, 3rd Edition (<https://www.ecb.europa.eu/ecb/tasks/monpol/html/index.en.html>).
5. Gali, J. (2015): *Monetary Policy, Inflation, and the Business Cycle: An Introduction to the New Keynesian Framework and Its Applications*, 2nd Edition, Princeton University Press.
6. Online learning materials such as videos, texts, quizzes, educational content, etc. (adjusted annually in accordance with domestic and world innovations in the field of Monetary Economics).

#### Additional information on the course

#### Detailed course unit executive plan and programme

Code and course title	199567, Digital Business		
Teacher	<u>Vanja Bevanda, Ph. D.,</u> <u>Goran Matošević, Ph. D.</u>		
Study program	Undergraduate university study of Economics and Business Economics		
Type of course	mandatory	Course level	undergraduate
Semester	Summer	Year of study	II.
Place of performance	FET „dr. Mijo Mirković“: on-line	Language	english
ECTS points	6	Number of hours per semester	60 (30L- 0E- 30S)

Prerequisites for enrollment and for mastering	Informatics				
Correlation	With all courses of the study program				
Course objective	Apply information and communication technologies in modern business				
Learning outcomes	1. explain the concepts of application of modern information and communication technology in business 2. explore approaches to digital transformation of business models, 3. sketch your own business model using an approach to building a web / mobile / cloud / social-space.				
Course content	1. Technological infrastructure of digital business. 2. First generation digital business models. 3. Mobile business 4. Cloud computing 5. Web 2.0 technologies 6. Second generation digital business models 7. Domains of digital transformation: - customers; - competition; - data; - innovation; - value. 8. Organizational design, innovation support, HR, regulation. 9. Security aspects of digital business. 10. Business cases of digital innovation and transformation. 11. Frameworks and approaches to the development of a digital business model.				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obveze</b>	<b>Ishodi (navodi se redni broj)</b>	<b>Sati</b>	<b>Udio u ECTSu*</b>	<b>Maksimalni udio u ocjeni (%)</b>
	Lecturing+workshops	1.- 3.	45	1,6	0%
	First check of learning outcomes	1.-3.	42	1,5	33%
	Second check of outcomes	1.- 3.	42	1,5	33%
	Seminar	3	39	1,4	34%
	total		168	6	100%
Student obligations	To prepare for this course, the student has available digital literature in the form of digital books and scripts, classical literature that can be obtained by mail from the university or faculty library, video lectures adapted to (subtitle) different world languages. All of these materials are available through the moodle learning management system. <b>To pass the course a student must:</b> <b>1. Pass both colloquia, each with a minimum of 16.5 points, and</b>				

	<p><b>2. Prepare, deliver on time and present a seminar on the topic and according to the instructions given in the e-learning course.</b></p> <p>At the exam deadlines, the results of all tests, together with the seminar points, form the final grade according to the Grading Regulations, which is entered in the student records.</p> <p>Knowledge assessment will be done exclusively electronically in the online environment on the moodle platform using a safe exam browser (and additional platforms such as exam view, book widgets, remark test grading, ...), through online exams with student identity confirmation, as a one-time test. , password protection of the test, with a limited time, defined IP address, etc.</p> <p>Students (both full-time and part-time) are required (individually or in a team of a maximum of three students) to create a seminar to present the acquired knowledge and skills.</p> <p>The seminar is prepared according to the instructions of the associates and is submitted electronically within the given deadline.</p> <p>The seminar will not be positively evaluated if the unauthorized use of other papers that the student presents as their own is noticed.</p> <p>Details of the preparation and deadlines for the presentation / presentation of the seminar are announced on the course portal.</p>
Exam and colloquium deadlines	They are published through the ISVU system, and on the course e-learning page.
Other important facts related to the course	<p>All students are required to enroll in a course based on e-learning, regularly attend lectures and exercises, and follow current content and information, and the dynamics of the course.</p> <p>Fulfilled partial obligations are not entered in the index.</p>
Weekly schedule of online activities	<p>Week 1 - Studying and reviewing video lectures and powerpoint presentations, as well as digital scripts and books related to examples of the application of modern digital technologies in business. Estimation of time load: 30 hours.</p> <p>Week 2 - Solve interactive tasks via the moodle platform. Studying and viewing video lectures and powerpoint presentations, and digital scripts and books related to digital business models and digital transformation. Estimation of time load: 30 hours.</p> <p>Week 3 - Study and view video lectures and powerpoint presentations, and digital scripts and books related to understanding mobile technologies, cloud computing, and social media. Solve interactive exercises via the moodle platform. Estimation of time load: 30 hours.</p> <p>Week 4 - Study and view video lectures and powerpoint presentations, as well as digital scripts and books related to digital transformation domains. Estimation of time load: 30 hours.</p> <p>Week 5 - Study and review video lectures and powerpoint presentations, as well as digital scripts and books related to recent research on the security aspects of digital business. Presentation of the seminar via moddle or zoom platform on the topic of business cases of digital innovation and transformation. Estimation of time load: 30 hours.</p> <p>6. Preparation for checking learning outcomes. Estimated time load: 18 hours.</p>

Literature	<p>Literature</p> <p>Mandatory:</p> <ol style="list-style-type: none"> <li>1. On-line materials in the form of video lectures that are available on the online platform 24sata, and have the ability to view (subtitles) in several world languages.</li> <li>2. A script created for the needs of the course by the lecturer, which is available as material on the e-learning or moodle platform. (adapts annually to changes in the course with world innovations in the field of behavioral economics)</li> <li>3. Digital book adapted to the participants of the distance learning course. (adapts annually to changes in the course with world innovations in the field of ICT)</li> <li>4. Schallmo, D.A.; Williams, C.A (2018): Digital Transformation Now! Guiding the Successful Digitalization of Your Business Model, Springer International Publishing. Related to the learning outcome under number 3.</li> <li>5. Rogers, D.L. (2016): The Digital Transformation Playbook: Rethink Your Business for the Digital Age, Columbia Business School Publishing, Related to the learning outcome under number 3.</li> </ol> <p>- Additional links and materials of lectures and exercises on e-learning</p>
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CURRICULUM IMPLEMENTATION PLAN			
Course code and title	(23812) F102E <b>English Language I/2</b>		
Course coordinators / lecturers in charge	Mauro Dujmović, Associate Professor (lecturer in charge) <a href="https://www.fet.unipu.hr/fet/mauro.dujmovic">https://www.fet.unipu.hr/fet/mauro.dujmovic</a> Maja Novak Ladarević, lecturer (lecturer in charge) <a href="https://fet.unipu.hr/fet/maja.novak_ladjarevic">https://fet.unipu.hr/fet/maja.novak_ladjarevic</a>		
Study program	Undergraduate study program in Economics / Business Economics		
Course status	Compulsory	Level of study program	Undergraduate
Semester	Summer	Year of study	II
Location	E-learning online platform	Language of instruction	English
ECTS credits	6	Hours per semester	90 (45L, 45E)
Prerequisites for enrollment	Minimum prior knowledge of English at level B1-B2 according to the Common European Framework of Reference for Languages (CEFR).		
Correlativity	English Language I/1		
Course objective	To adopt competencies for using professional vocabulary and grammatical structures specific to English for Specific Purposes (ESP) in the business context.		
Learning outcomes	<ul style="list-style-type: none"> <li>- Properly define professional terminology and basic concepts in English for Specific Purposes (ESP), within the given topics.</li> </ul>		



	<ul style="list-style-type: none"> <li>- Properly select, explain and use professional terminology in the business context.</li> <li>- Properly recognize, explain and select the adopted grammatical structures in business communication.</li> <li>- Appropriately use the adopted grammatical structures and vocabulary from one's repertoire in the business environment.</li> <li>- Apply the reading strategies needed to understand and analyze professional texts, within the given topics.</li> </ul>
<p>Course contents (list of topics)</p>	<ol style="list-style-type: none"> <li>1. <b>MARKETING AND ADVERTISING.</b> Acquiring the basic terminology and understanding marketing strategies through the unit "<i>Target markets</i>". Present verb tenses in English.</li> <li>2. <b>SUCCESS AND FAILURE IN BUSINESS.</b> Acquiring the basic concepts and different types of business through the unit "<i>Triumph and disaster</i>". Past forms in English.</li> <li>3. <b>THE RULES OF ONLINE WRITTEN COMMUNICATION.</b> Acquiring the basic rules of online written communication (writing a formal e-mail) through the unit "<i>Good Netiquette</i>". Ways of expressing the future.</li> <li>4. <b>TIME MANAGEMENT.</b> Understanding the concept of time management through the unit "<i>A sense of priorities</i>". Passive verb forms and transitive verbs in English.</li> <li>5. <b>INTERNATIONAL BUSINESS.</b> Studying the international expansion of business and communication through the unit "<i>Going global</i>". The causative form "<i>have something done</i>".</li> <li>6. <b>ORGANIZATIONAL CULTURES.</b> Introduction to different forms of organizational cultures through the unit "<i>Fitting in</i>". Modal verbs and modality in English.</li> <li>7. <b>PRICING AND COMMODITY TRADING.</b> Getting acquainted with the market rules of pricing and commodity trading through the unit "<i>Supply and demand</i>". Expressing modality in English: past, present, future.</li> <li>8. <b>THE RULES OF BUSINESS NEGOTIATIONS.</b> Getting acquainted with the language and rules of business negotiations through the unit "<i>Games people play</i>". Idiomatic phrasal verbs in English.</li> <li>9. <b>CHANGING BUSINESS ENVIRONMENT.</b> Examining how companies adapt to a changing business environment and how they cope with the technological advancements through the unit "<i>Survival of the fittest</i>". Reported speech and the backshift of verb tenses.</li> <li>10. <b>INTERNATIONAL TRADE.</b> Acquiring the basics of international trade and export documentation through the unit "<i>Fair exchanges</i>". Conversion of pronouns, adverbs and time expressions in indirect speech.</li> <li>11. <b>RECRUITMENT AND THE WORLD OF WORK.</b> Getting acquainted with the world of work, recruitment and modes of employment through the unit "<i>The right staff</i>". Conditional clauses in English.</li> <li>12. <b>ENTREPRENEURSHIP AND INNOVATIONS.</b> Getting acquainted with the world of entrepreneurship and ways of running one's own business through the unit "<i>Look before you leap</i>". The infinitive and gerund in English.</li> </ol>
<p>Weekly schedule of online activities</p>	<p><b>WEEK 1.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 1-3</b>. Estimated time load: 21 hours.</p> <p><b>WEEK 2.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 4-6</b>. Estimated time load: 21 hours.</p>

	<p><b>WEEK 3.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 7-8</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 4.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 9-10</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 5.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 11-12</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 6. OVERVIEW OF MATERIALS AND ONLINE WRITTEN MIDTERM EXAM.</b> Key vocabulary, collocations and grammatical units review. Holding an online written midterm exam. Estimated time load for preparation: 42 hours.</p> <p><b>PREPARATION FOR THE FINAL ORAL EXAM / OR ORAL PRESENTATION</b> – Time load assessment: 42 hours</p> <p><b>PREPARATION FOR THE FINAL WRITTEN EXAM / OR MIDTERM EXAM</b> – Time load assessment: 42 hours</p>					
Planned activities, methods of learning and teaching, assessment criteria	<b>Requirements</b>	<b>Learning outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum share in grade (%)</b>	
	Class attendance and participation (L, E)	1-5	67,5	2,4	0 %	
	The final oral exam or oral presentation	1-5	50,25	1,8	50 %	
	The final online written exam or midterm exam	1-4	50,25	1,8	50 %	
	Total			168	6	100%
	<p><b>Additional clarification (assessment criteria):</b></p> <p><b>Class attendance, class activity and mandatory literature:</b> Due to specifics of learning and teaching foreign languages and in order for students to successfully master the contents of the course, it is highly recommended to regularly attend online classes. Students are required to prepare for and actively participate in online classes. Alternatively, if the student chooses not to attend online classes, he/she is obliged to independently process, analyze and acquire the course contents with the help of mandatory literature, online materials and online tasks available on the e-learning platform (Moodle). Mandatory literature is available in the university and faculty library, while online materials and assignments that accompany individual units are permanently available on the e-learning platform.</p> <p><b>Final oral exam or oral presentation:</b> The student can choose to prepare a presentation during the semester and orally present a particular professional topic related to the course contents. The appropriate topic is determined in agreement with the lecturer, while students are required to independently research the literature related to the topic they are working on. Oral presentations are held during regular online classes. Instructions on preparing a presentation are given during the first online class. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final oral exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the oral presentation is valid exclusively by the end of the</p>					

	<p>academic year in which the course was attended. Alternatively, if the student chooses not to make a presentation, he/she is required to take the final oral exam.</p> <p><b>Final online written exam or midterm exam:</b> Continuous assessment is conducted during semester in the form of online written midterm exam. A successfully passed online written exam is a test in which the student has achieved at least 50% of the total number of points. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final written exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the written midterm exam is valid exclusively by the end of the academic year in which the course was attended. If the student doesn't pass the midterm exam or chooses not to take it, he/she is required to take the final written exam, which is of eliminatory nature and represents a condition for taking the final oral exam.</p> <p>The online written exam is conducted on the Moodle platform, using the Safe Exam browser and with the obligatory confirmation of the student's identity. The online test is password-protected and time-limited. The online written test can be accessed only once and exclusively within a given timeframe.</p> <p><b>The final grade</b> for the course is derived from the total percentage of success in the final written exam /or midterm exam (50%) and the final oral exam/or oral presentation (50%). The final grade is entered in the official records once the student has officially registered for the exam (via Studomat).</p> <p><b>The final grade is obtained as follows:</b></p> <p>5 (Excellent) = 89 – 100%          4 (Very good) = 76 – 88,9%          3 (Good) = 63 – 75,9%          2 (Sufficient) = 50 – 62,9%</p>
Student obligations	<p>In order to successfully pass the course, the student is required to:</p> <ul style="list-style-type: none"> <li>- Regularly attend online classes and actively participate in the teaching process, or else independently process and analyze the course contents using mandatory literature and online materials and exercises (available on Moodle).</li> <li>- Successfully pass the written midterm exam during semester, or the final written exam with a minimum of 50% accuracy.</li> <li>- Successfully prepare and orally present a professional topic during the semester, or pass the final oral exam.</li> </ul> <p>All obligations must be completed within the agreed deadlines.</p>
Exam dates	<p>Published on the e-learning platform (Moodle) and available in the ISVU system.</p>
Literature	<p><b>Obligatory literature:</b></p> <ul style="list-style-type: none"> <li>- Online materials and independent assignments and exercises, available in online form on the e-learning platform (Moodle) – <i>related to learning outcomes 1 – 5</i></li> <li>- Naunton, J. 2002. <i>Head for Business: Upper-intermediate Student's Book</i>. Oxford: Oxford University Press – <i>related to learning outcomes 1 – 5</i></li> <li>- Naunton, J. 2002. <i>Head for Business: Upper-intermediate Workbook</i>. Oxford: Oxford University Press – <i>related to learning outcomes 1 – 5</i></li> <li>- Kostić-Bobanović, M. &amp; Novak, M. 2016. <i>English Grammar in Use</i>. Pula: Juraj Dobrila University of Pula (pp. 111-221) – <i>related to learning outcomes 3 and 4</i></li> </ul> <p><b>Elective literature:</b></p>

	<ol style="list-style-type: none"> <li>1. British Council's Business English online learning support resources: <i>Business Magazine</i>. Reading and text analysis, interactive online exercises. Available at: <a href="https://learnenglish.britishcouncil.org/business-english/business-magazine">https://learnenglish.britishcouncil.org/business-english/business-magazine</a> - <i>related to learning outcomes 1-5</i></li> <li>2. British Council's online grammar learning resources. CEFR levels B1-B2 (intermediate to upper-intermediate). Grammar explanations and interactive online exercises. Available at: <a href="https://learnenglish.britishcouncil.org/grammar/intermediate-to-upper-intermediate">https://learnenglish.britishcouncil.org/grammar/intermediate-to-upper-intermediate</a> - <i>related to learning outcomes 3 and 4</i></li> <li>3. Mascull, B. 2002. <i>Business Vocabulary in Use – Intermediate</i>. 2<sup>nd</sup> edition. Cambridge: Cambridge University Press – <i>related to learning outcomes 1-5</i></li> <li>4. Emmerson, P. 2010. <i>Business Grammar Builder, 2nd edition. Intermediate to Upper-intermediate</i>. London: Macmillan Education – <i>related to learning outcomes 3 and 4</i></li> </ol> <p><b>Reference literature (dictionaries):</b></p> <ol style="list-style-type: none"> <li>1. <i>Oxford Advanced Learner's Dictionary, 8th edition</i>. 2010. Oxford: Oxford University Press</li> <li>2. <i>Online Oxford Advanced Learner's Dictionary</i>, available at: <a href="https://www.oxfordlearnersdictionaries.com/">https://www.oxfordlearnersdictionaries.com/</a></li> <li>3. <i>Online Cambridge Learner's Dictionary</i>, available at: <a href="https://dictionary.cambridge.org/dictionary/learner-english/">https://dictionary.cambridge.org/dictionary/learner-english/</a></li> <li>4. <i>Investopedia</i> (online), available at: <a href="https://www.investopedia.com/financial-term-dictionary-4769738">https://www.investopedia.com/financial-term-dictionary-4769738</a></li> </ol>
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### CURRICULUM IMPLEMENTATION PLAN

Course code and title	(23814) (F1021) <b>Italian language I/2</b>		
Course coordinators / lecturers in charge	Prof.dr.sc. Moira Kostić-Bobanović (lecture in charge) <a href="https://www.fet.unipu.hr/fet/moira.kostic_bobanovic">https://www.fet.unipu.hr/fet/moira.kostic_bobanovic</a> Martina Matijašec, prof.		
Study program	Undergraduate study program in Economics / Business Economics		
Course status	Compulsory	Level of study program	Undergraduate
Semester	Summer	Year of study	II
Location	E-learning online platform	Language of instruction	Italian/Croatian
ECTS credits	6	Hours per semester	90 (45L, 45E)

Prerequisites for enrollment	Italian language I/1
Correlativity	Italian Language I/1
Course objective	To adopt competencies for using professional vocabulary and grammatical structures specific to Italian for Specific Purposes in business and cultural context.
Learning outcomes	<ul style="list-style-type: none"> <li>- Properly define professional terminology and basic concepts in Italian for Specific Purposes, within the given topics.</li> <li>- Properly select, explain and use professional terminology in the business context.</li> <li>- Properly recognize, explain and select the adopted grammatical structures in business communication.</li> <li>- Appropriately use the adopted grammatical structures and vocabulary from one's repertoire in the business environment.</li> <li>- Apply the reading strategies needed to understand and analyze professional texts, within the given topics.</li> </ul>
Course contents (list of topics)	<ul style="list-style-type: none"> <li>- L'IMPRESE D'ITALIA Grammatica e morfologia: verbi transitivi</li> <li>- UN PATRIMONIO DELL'UMANITA' Grammatica e morfologia: articolo determinativo</li> <li>- LE PAROLE ALLE IMMAGINI Grammatica e morfologia: imperfetto</li> <li>- CANZONI ITALIANE Grammatica e morfologia: articolo indeterminativo</li> <li>- AMO LA RADIO Grammatica e morfologia: punteggiatura</li> <li>- I NOSTRI CLASSICI Grammatica e morfologia: passato remoto</li> <li>- CERVELLI ITALIANI Grammatica e morfologia: maiuscole</li> <li>- CITTA' E CAMPANILLI Grammatica e morfologia: trapassato prossimo</li> <li>- L'AZIENDE ITALIANE Grammatica e morfologia: pronomi relativi</li> <li>- I PRODOTTI ITALIANI 2 Grammatica e morfologia: trapassato remoto</li> <li>- INUOVI ITALIANI Grammatica e morfologia: preposizioni</li> <li>- L'ITALIA IN BREVE 2 Grammatica e morfologia: analisi grammaticale</li> </ul>
Weekly schedule of online activities	<p><b>WEEK 1.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 1-3</b>. Estimated time load: 21 hours.</p> <p><b>WEEK 2.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 4-6</b>. Estimated time load: 21 hours.</p> <p><b>WEEK 3.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 7-8</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 4.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 9-10</b>. Estimated time load: 14 hours.</p>



	<p><b>WEEK 5.</b> Studying and reviewing online materials and multimedia contents available on the e-learning platform, reading and text analysis, solving online tasks on Moodle related to <b>topics 11-12</b>. Estimated time load: 14 hours.</p> <p><b>WEEK 6. OVERVIEW OF MATERIALS AND ONLINE WRITTEN MIDTERM EXAM.</b> Key vocabulary, collocations and grammatical units review. Holding an online written midterm exam. Estimated time load for preparation: 42 hours.</p> <p><b>PREPARATION FOR THE FINAL ORAL EXAM / OR ORAL PRESENTATION</b> – Time load assessment: 42 hours</p> <p><b>PREPARATION FOR THE FINAL WRITTEN EXAM / OR MIDTERM EXAM</b> – Time load assessment: 42 hours</p>					
Planned activities, methods of learning and teaching, assessment criteria	<b>Requirements</b>	<b>Learning outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum share in grade (%)</b>	
	Class attendance and participation	1-5	67,5	2,4	0 %	
	The final oral exam or oral presentation (business plan)	1-5	50,25	1,8	50 %	
	The final online written exam or midterm exam	1-4	50,25	1,8	50 %	
	Total			168	6	100%
	<p><b>Additional clarification (assessment criteria):</b></p> <p><b>Class attendance, class activity and mandatory literature:</b> Due to specifics of learning and teaching foreign languages and in order for students to successfully master the contents of the course, it is highly recommended to regularly attend online classes. Students are required to prepare for and actively participate in online classes. Alternatively, if the student chooses not to attend online classes, he/she is obliged to independently process, analyze and acquire the course contents with the help of mandatory literature, online materials and online tasks available on the e-learning platform (Moodle). Mandatory literature is available in the university and faculty library, while online materials and assignments that accompany individual units are permanently available on the e-learning platform.</p> <p><b>Final oral exam or oral presentation:</b> The student can choose to prepare a presentation (business plan) during the semester and orally present it. The appropriate topic is determined in agreement with the lecturer, while students are required to independently research the literature related to the topic they are working on. Oral presentations are held during regular online classes. Instructions on preparing a presentation are given during the first online class. If the student is successful in fulfilling this obligation, he/she is exempted from taking the final oral exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the oral presentation is valid exclusively by the end of the academic year in which the course was attended. Alternatively, if the student chooses not to make a presentation, he/she is required to take the final oral exam.</p> <p><b>Final online written exam or midterm exam:</b> Continuous assessment is conducted during semester in the form of online written midterm exam. A successfully passed online written exam is a test in which the student has achieved at least 50% of the total number of points. If the student is successful</p>					

	<p>in fulfilling this obligation, he/she is exempted from taking the final written exam, thus achieving a share of 1.8 ECTS credits and a 50% share in the final grade for the course. The grade of the written midterm exam is valid exclusively by the end of the academic year in which the course was attended. If the student doesn't pass the midterm exam or chooses not to take it, he/she is required to take the final written exam, which is of eliminatory nature and represents a condition for taking the final oral exam.</p> <p>The online written exam is conducted on the Moodle platform, using the Safe Exam browser and with the obligatory confirmation of the student's identity. The online test is password-protected and time-limited. The online written test can be accessed only once and exclusively within a given timeframe.</p> <p><b>The final grade</b> for the course is derived from the total percentage of success in the final written exam /or midterm exam (50%) and the final oral exam/or oral presentation (50%). The final grade is entered in the official records once the student has officially registered for the exam (via Studomat).</p> <p><b>The final grade is obtained as follows:</b></p> <p>5 (Excellent) = 89 – 100%          4 (Very good) = 76 – 88,9%          3 (Good) = 63 – 75,9%          2 (Sufficient) = 50 – 62,9%</p>
Student obligations	<p>In order to successfully pass the course, the student is required to:</p> <ul style="list-style-type: none"> <li>- Regularly attend online classes and actively participate in the teaching process, or else independently process and analyze the course contents using mandatory literature and online materials and exercises (available on Moodle).</li> <li>- Successfully pass the written midterm exam during semester, or the final written exam with a minimum of 50% accuracy.</li> <li>- Successfully prepare and orally present a professional topic during the semester, or pass the final oral exam.</li> </ul> <p>All obligations must be completed within the agreed deadlines.</p>
Exam dates	<p>Published on the e-learning platform (Moodle) and available in the ISVU system.</p>
Literature	<p><b><u>Obligatory literature:</u></b></p> <ul style="list-style-type: none"> <li>- De Savorgnani, G. (2016). Italia per stranieri, Firenze: ALMA Edizioni (str. 100-144).</li> <li>- Online materials and independent assignments and exercises, available in online form on the e-learning platform.</li> </ul> <p><b><u>Elective literature:</u></b></p> <ul style="list-style-type: none"> <li>- Pelizza, G. i Mezzadri M. (2002). L'italiano in azienda, Perugia: Guerra edizioni</li> <li>- <a href="http://www.italianoinazienda.it">www.italianoinazienda.it</a></li> </ul> <p><b><u>Reference literature (dictionaries):</u></b></p> <ul style="list-style-type: none"> <li>- Deanović, M., Jernej, J., Vocabolario italiano croato. Zagreb, ŠK, 2002.</li> <li>- Deanović, M., Jernej, J., Hrvatsko talijanski rječnik. Zagreb, ŠK, 1994.</li> </ul>

CURRICULUM IMPLEMENTATION PLAN			
Course unit code	23810		
Course unit title	German language I		
GENERAL INFORMATION			
Study programme	Undergraduate study program in Applied Economy (on-line study)	Year	II
Director of the course and assistant	Kristina Djakovic, Senior lecturer Email: <a href="mailto:kdjakov@unipu.hr">kdjakov@unipu.hr</a>		
Course status <sup>6</sup>	X	Mandatory	Elective
Credits allocated and type of lectures			
	Winter semester	Summer semester	
ECTS students workload		6	
Number of hours per semester		45L- 45 E	
Course objectives, teaching and learning methods and learning outcomes			
<p>The aim of the course is to develop receptive abilities and language competences at the A2 – B1 level according to the <i>Common European Framework of Reference for Languages</i>.</p> <ol style="list-style-type: none"> <li>1. Master the knowledge of the language and skills at the A2 – B1 level according to the <i>Common European Framework of Reference for Languages</i> (CEFR)</li> <li>2. Read and understand and orally interpret texts at the A2 – B1 level</li> <li>3. Correctly apply grammar rules when writing and speaking at the A2 – B1 level</li> <li>4. Develop language skills for oral and written communication at the A2 – B1 level</li> <li>5. Apply the adopted knowledge and present (orally and written) and discuss the topics at the A2 – B1 level</li> <li>6. Apply what has been acquired into context</li> </ol>			
Requirements, correspondence and correlativity			
<p><b>Requirements:</b> Basic German skills</p> <p><b>Correspondence or Correlativity:</b> German Language Courses</p>			
Course content (list of topics)			
<ul style="list-style-type: none"> <li>•</li> <li>• Wendepunkte</li> <li>• Arbeitswelt</li> <li>• Umwelt</li> </ul>			Monopoly, Regulation of Natural Monopoly. . * Basic

- Blick nach vorn
- Geld regiert die Welt
- Interkulturelle Kommunikation
- Firmenpräsentation

game theory:  
Nash equilibrium & sub game perfect equilibrium. \*

Oligopoly:  
Bertrand price competition & factors that soften price competition (capacity constraints) \*

Cournot competition; asymmetric costs. \*

Product differentiation & price competition; Search cost. \*

Advertising, market structure & competition \*

Collusion & dynamic competition; factors that facilitate collusion. \*

Concentration and Market Power. \*

Price Discrimination and regulation. \*

Vertical Relations and regulation.

\* Entry cost, market structure and welfare. \* Strategic barriers to Entry, Predation & Merger of Firms. \* Research and Development. \* Networks and Standards.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	<b>Seminars and workshops</b>	Exercises	<b>Individual tasks</b>	<b>Multimedia and internet</b>
<b>Distance learning</b>	Counseling	Laboratory	<b>Tutorial</b>	Fieldwork

**Student requirements**

 Assessment and evaluation of students (**mark in bold**)

<b>Attendance</b>	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	Oral exam	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SH	C
Class attendance and participation, Exercises	67,5	1-6	2,4		
Essay/Continuous Assessment	44,5	1-6	1,6		
Written Exam	28	1-6	1		
Oral Exam	28	1-6	1		
<b>Total</b>	<b>168</b>		<b>6</b>		

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

To take the exam of this course, the student has access to digital literature in the form of a digital book/script and classical literature as well as the teaching materials are available through the moodle learning management system.



Positively graded activities, exercises, reports and presentations allow the student to take the mid-term exam/final exam. A passed mid-term exam is considered to be the one in which the student has scored at least 50% of the total number of marks.

A positively passed final written exam allows the student to take the oral part of the exam where they will receive their final grade.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### Weekly schedule of on-line activities

Week 1: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related

to topics 1-2 (estimated time load: 30 hours)

Week 2: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related

to topic 3 (estimated time load: 10 hours)

Week 3: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related

to topics 4-5 (estimated time load: 30 hours)

Week 4: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related to

topic 6 (estimated time load: 20 hours)

Week 5: Studying the teaching materials, ppt presentation and multimedia content available on the on-line platform related to

topic 7 (estimated time load: 22 hours)

Week 6: Preparation for the final on-line exam (estimated time load: 56 hours)

#### **Bibliography**

##### **Mandatory bibliography**

- On-line materials produced for the necessity of the course on the on-line platform (connection with learning outcomes: 1-6)
- Digital Student Book (connection with learning outcomes: 1-6)
  - o DaF im Unternehmen, Klett-Verlag, Stuttgart

##### **Additional bibliography**

1. Online handbooks (connection with learning outcomes: 1, 3)

<https://de.langenscheidt.com>

<https://de.pons.com/%C3%BCbersetzung>

<https://de.pons.com/p/online-woerterbuch/vokabeltrainer>

2. Grammar

Grundstufen Grammatik, Hueber Verlag, München  
 Dreyer-Schmitt: Lehr-und Übungsbuch der deutschen Grammatik, Hueber Verlag, München

##### **URL code (connection with learning outcomes: 2- 5)**

[www.deutschland.de/de](http://www.deutschland.de/de), [www.deutschland-tourismus.de](http://www.deutschland-tourismus.de), [www.dw-world.de](http://www.dw-world.de),

<http://www.dw.de/deutsch-lernen/>; [www.daad.de](http://www.daad.de), [www.hueber.de](http://www.hueber.de), [www.goethe.de](http://www.goethe.de)

**Additional information on the course**

<b>CURRICULUM IMPLEMENTATION PLAN</b>			
Course Unit Title	ECONOMICS OF FINANCIAL CRISIS AND MICROFINANCE		
Directors of the course	Marinko Škare, Phd Full Professor of Economics Email: mskare@unipu.hr Dean Sinkovic, Phd, MBA Associate Professor of Economics Email: dean.sinkovic@unipu.hr		
Study program	Undergraduate study program in Economics		
Course status	Mandatory	Level	Undergraduate
Semester	Summer	Study year	II.
Teaching environment	On line platforms	Language	Croatian and English
ECTS student workload	6	Credit allocation and type of lectures	40 (Teaching) 20 (Seminars)
Course requirements	Introduction to Economics or Economics 101 course must be passed		
Correspondence or Correlativity	Development Economics, Financial Economics, Public Policy		
Course Objectives	<p>From ancient times to the Great Recession, financial crises represent crucial part of economic history whose behavior can be recognized by the movement of different markets - from the initial rise caused by various financial and technological innovations to strong credit expansion and final value "bubbles" which, once they burst, result in macroeconomic imbalances and long-term recessions. Such bubbles are typically accompanied with "this time is different" attitude, a widespread belief that prices will keep increasing indefinitely. While financial crises are somehow natural they also come with significant costs. Investors lose great wealth, workers lose jobs, countries fall into prolonged depressions, governments declare bankruptcies.</p> <p>The aim of the course is to provide students with a detailed insight into the causes and consequences of financial and economic crisis with special emphasis on economic theories and policies that preceded these crises as well as on alternative solutions. The course provides students with a historical overview of the key financial crisis and in depth analysis of the important innovations such as fintech loans or microfinance - the concept of lending to poor citizens, which in 30 years from the local model of Bangladesh has become the most important global development model for poor and developing countries. Students will be encouraged to think critically, emphasizing their active participation and creative solution in terms of future economic policies and models for sustainable financial and economic development.</p>		
Learning outcomes			

	<ol style="list-style-type: none"> <li>1. To familiarize students with the crucial aspects in regard to causes and consequences of financial crises (especially the Great Depression and the Great Recession)</li> <li>2. To define and explain the mechanisms of credit cycles, money creation and its impact on economy</li> <li>3. To identify and interpret economic theories and policies that preceded key financial crises</li> <li>4. To identify and assess macroeconomic management and regulations for crisis prevention.</li> <li>5. To define and assess key regulatory framework for creating sustainable financial and economic development.</li> <li>6. To familiarize students with the concept of financial development and the current financial innovation (digitalization via <i>fintech</i> revolution)</li> <li>7. To understand and comprehend the model of microfinance (Yunus model) and the concept of <i>financialization</i> of the poor.</li> <li>8. To analyze economic outcomes of the states/regions with highest penetration of microfinance model</li> <li>9. To identify and assess alternative forms of financing of businesses / citizens / states</li> </ol>																																								
Course content	<ul style="list-style-type: none"> <li>• Financial crises: historical overview, classifications, definitions, sequencing.</li> <li>• Credit cycles – Boom &amp; Bust concept, the role of central banking and money creation</li> <li>• Comparison between Great Depression and Great Recession - theories/policies preceding them</li> <li>• Banking crisis, inflation and currency crisis, sovereign debt crisis</li> <li>• The European Sovereign Debt Crisis - causes, consequences and policy response</li> <li>• Microfinance model and political economy of the <i>financialization</i> of the poor.</li> <li>• Financial digitalization, Fintech revolution and possible outcomes</li> <li>• COVID 19 Global crisis and the role of finance</li> <li>• Macroeconomic management for crisis prevention</li> <li>• Alternative financial institutions and models of financial development</li> </ul>																																								
Modes of instruction and acquiring knowledge  Assessment and evaluation of students	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Requirements</th> <th style="width: 20%;">Learning outcomes</th> <th style="width: 10%;">Hours</th> <th style="width: 10%;">Share in ECTS</th> <th style="width: 10%;">Share in grade</th> </tr> </thead> <tbody> <tr> <td>Class attendance</td> <td>1 – 9</td> <td></td> <td>0,3</td> <td>5%</td> </tr> <tr> <td>Essay/critical review/class participation</td> <td>1 – 5</td> <td></td> <td>1,2</td> <td>20%</td> </tr> <tr> <td>Seminar paper (project)</td> <td>1 - 9</td> <td></td> <td>2,1</td> <td>35%</td> </tr> <tr> <td>Written exam</td> <td>1 – 9</td> <td></td> <td>2,4</td> <td>40%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Total</b></td> <td></td> <td></td> <td><b>6</b></td> <td><b>100%</b></td> </tr> </tbody> </table> <p><b>Additional information:</b></p>	Requirements	Learning outcomes	Hours	Share in ECTS	Share in grade	Class attendance	1 – 9		0,3	5%	Essay/critical review/class participation	1 – 5		1,2	20%	Seminar paper (project)	1 - 9		2,1	35%	Written exam	1 – 9		2,4	40%											<b>Total</b>			<b>6</b>	<b>100%</b>
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To successfully prepare and pass the course each student has available digital literature in the form of digital books and scripts, regular literature that can be obtained via mail by university of faculty library as well as video presentations adapted to different world languages. All of these documents are available via university online platform Moodle.

**The critical review or essay** is given by the subject teacher and refers to short written analysis (4-5 pages, 1,5 spacing, font 12) in which the analytics and the depth and quality of personal criticism / arguments by the student will be considered. The critical review / essay is individual assignment and sent to the teacher via email in PDF format.

**The seminar paper/project** and the presentation are written in a group of two or three students and the topic is chosen by the students from a series of offered topics. The seminar paper must meet a strict written form, presented via moodle platform and submitted via email in PDF format.

**The written exam** covers the entire course content and is written at the end of the semester via online platform moodle.

Knowledge assessment is performed exclusively in the online environment (moodle platform) using a safe exam browser, online exams with student identity confirmation, as a one-time test via password protection scheme and with limited time and defined IP address.

**Additional information (evaluation criteria):**

**The student is obliged to attend at least 70% of the teaching hours** and thus acquires the right to achieve 5% success course rate. Students who are unable to attend classes at the level of 70% or more of the teaching hours, can choose to write an additional essay as a substitute, thus gaining the right to achieve 5% success rate

**Class participation** implies that the student is ready for each individual lecture, to actively participate in online discussions and to be able to give an answer to a question asked by the subject teacher, related to the previously covered topics. If a student writes a critical review / essay, and also actively participates in teaching discussions, he / she acquires the right to achieve 20% success.

**The seminar paper/project** implies teamwork assignment and group presentation of a defined topic as well as sending the seminar in written format. Good quality presentation and correct form and content of the seminar paper are a prerequisite for achieving 35% of the course success rate.

**There is only one written exam.** Its content refers to the material that the student has listened to. Students are informed in advance about the exact date of writing the test (after attending lectures). The test carries 40% course success rate and to pass the exam student needs to achieved at least 50% points (i.e. 50 out of 100 points).

Students are required to adhere to given deadlines for individual and group assignments. Unjustified non-compliance in regard to deadlines will result in a negative grade (0 points) for the given activity. If there are justified reasons (illness or some other more serious reasons), the student is obliged to inform the professor and provide evidence for the justification for not taking the exam and (or) the absence of teaching and (or) presentation of individual and group projects.

	<p>At the end of the semester the overall student's performance is evaluated according to the European Credit Transfer System.</p> <hr/> <p>The final grade is determined according to the following formula:</p> <p><b>GRADE = 40% x W + 35% x S + 20% x P + 5% x N</b>          where:          W = the number of point achieved in the written exam          S = the number of point achieved via seminar paper          P = class participation, essay/critical review          N = class attendance</p> <p>Final grade is determined in the following format:</p> <table border="0"> <tr> <td>A = 90 – 100%</td> <td>5 (excellent)</td> </tr> <tr> <td>B = 80 – 89,9%</td> <td>4 (very good)</td> </tr> <tr> <td>C = 70 – 79,9%</td> <td>3 (good)</td> </tr> <tr> <td>D = 50 – 69,9%</td> <td>2 (sufficient)</td> </tr> </table>	A = 90 – 100%	5 (excellent)	B = 80 – 89,9%	4 (very good)	C = 70 – 79,9%	3 (good)	D = 50 – 69,9%	2 (sufficient)
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B = 80 – 89,9%	4 (very good)								
C = 70 – 79,9%	3 (good)								
D = 50 – 69,9%	2 (sufficient)								
<p>Student obligations</p>	<p>To successfully pass the course the student is obliged to:</p> <ul style="list-style-type: none"> <li>▪ listen the video lectures, analyze PPT presentations and other materials on the moodle platform as well as to actively participate in thematic discussions</li> <li>▪ write an essay / critical review on a topic given by the subject teacher (individual work) and send it as a PDF document</li> <li>▪ write and present a seminar paper (as a part of group) via the moodle platform</li> <li>▪ to take the final test (written exam) and perform other forms of continuous assessments</li> </ul>								
<p>Exam deadlines</p>	<p>Published at the beginning of the academic year on the faculty website and other student platforms.</p>								
<p>Weekly online schedule</p>	<p><b>Week 1</b> - Introduction to the course and define students' obligations. Review of video lectures, PPT presentations and digital scripts on the following topics: (1) Financial system and its components (2) Interdependence of financial system and real economy (3) Transmission monetary mechanism and the role of financial institutions (4) Definition of financial, credit crises and currency crisis.</p> <p><b>Week 2</b> - Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) Economic theories and policies preceding the financial crisis (2) Causes and consequences of the Great Depression (3) Causes and consequences of the Great Recession (4) Alternative financial structures and models for sustainable finance</p> <p><b>Week 3</b> - Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) Saving and Loan crisis in the USA 1980-1990 (2) Japan crisis of 1990, monetary experiment and deflationary spiral 3) Dot -com bubble and bust (4) Asian crisis of 1997.</p> <p><b>Week 4</b>- Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) South American crisis 1980-1990 (2) Banking crisis in Eastern Europe 1990-2000 (4) European sovereign debt crisis (PIGS countries) 2012.</p>								



	<p><b>Week 5</b> - Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) Microfinance and <i>financialization</i> of the poor (2) (De) regulation of the financial sector (3) REPO market crisis 2019 and COVID-19 monetary and fiscal bazookas (4) Digitization and <i>fintech</i> revolution - potentials and threats</p> <p><b>Week 6</b> - Seminar papers/projects presentations and preparation for the final exam. Estimated time load 60 hours.</p>
Literature	<p>Mandatory:</p> <ul style="list-style-type: none"> <li>- On-line materials in the form of video lectures that are available on the online platform (24 hours per day)</li> <li>- <b>Reinhart, Carmen M. and Kenneth, S. Rogoff:</b> <i>This Time Is Different: Eight Centuries of Financial Folly</i>, Princeton University Press, 2009. e-book available on the following link: <a href="https://press.princeton.edu/books/ebook/9781400831722/this-time-is-different">https://press.princeton.edu/books/ebook/9781400831722/this-time-is-different</a> - associated with the learning outcomes 1,2,3,4 i 5.</li> <li>- <b>Bateman, Milford and MacLean, Kate:</b> <i>Exposing the Contemporary Microfinance Phenomenon</i>, University of New Mexico Press, 2017. e-knjiga available on the following link: <a href="https://www.researchgate.net/publication/316972780_Seduced_and_Betrayed_Exposing_the_Contemporary_Microfinance_Phenomenon">https://www.researchgate.net/publication/316972780_Seduced_and_Betrayed_Exposing_the_Contemporary_Microfinance_Phenomenon</a> - associated with the learning outcomes 7,8 i 9.</li> <li>- Digital script created for the needs of the course available on the moodle platform (24 hours per day)</li> </ul> <p>Elective:</p> <ol style="list-style-type: none"> <li>1. <b>Kehoe, Timothy J. and Edward C., Prescott:</b> <i>Great Depressions of the Twentieth Century</i>, Federal Reserve Bank of Minneapolis, 2007</li> <li>2. <b>Kindleberger, Charles P. and Robert, Aliber:</b> <i>Manias, Panics, and Crashes: A History of Financial Crises</i>, Palgrave Macmillan, Sixth Edition, 2011.</li> <li>3. <b>Sturzenegger, Federico and Jeromin, Zettelmeyer :</b> <i>Debt Defaults and Lessons from a Decade of Crises</i>, MIT Press, 2006.</li> <li>4. <b>Minsky, Hyman:</b> <i>The Financial Instability Hypothesis</i>, Working Paper No.74, The Levy Economic Institute, 1992</li> <li>5. <b>Mader, Phillip:</b> <i>The Political Economy of Microfinance</i>, Pallgrawe Macmillan, 2015</li> <li>6. <b>Scott, Brett:</b> <i>The Heretic Guide to Global Finance: Hacking the Future of Money</i>, Pluto Press, 2013</li> </ol>

Course unit code and course name	Labor Economics		
Professor	Sanja Blažević Burić, Associate Professor <a href="https://fet.unipu.hr/fet/sanja.blazevic_buric">https://fet.unipu.hr/fet/sanja.blazevic_buric</a>		
Study programme	Undergraduate Programme of Economics		
Course status	Mandatory	Course level	Undergraduate
Semester	Summer	Year	2nd
Location	On-line	Language	English language
ECTS	6	Number of hours per semester	30L – 30S
Prerequisites	There are no prerequisites for enrollment. Prerequisites for mastering the course are continuous work and execution of given commitment during the semester.		
Correlativity	Faculty of Economics Zagreb, Faculty of Economics Split		
Course objectives	Understand, analyze and interpret the concepts of labor economics and deeper analyze the occurrences of labor markets, both in the Republic of Croatia and in other selected countries.		
Learning outcomes	<ol style="list-style-type: none"> <li>1. Define significant concepts in the area of labor economics (microeconomic and macroeconomic aspects)</li> <li>2. Link interdependent labor market determinants and interpret their significance</li> <li>3. Analyze the economic and social impacts of labor market activities and their consequences</li> <li>4. Make conclusions about the importance of planning and careful reflection on the activities of public and private stakeholders in the labor market</li> <li>5. Apply acquired knowledge from the field of labor economics to practical examples through student work</li> </ol>		
Course content	<ol style="list-style-type: none"> <li>1. Introduction to the course and curriculum. General terms: Labor economics, labor supply and demand for labor</li> <li>2. Analysis of the labor legislation</li> <li>3. Becker's Model, Household Time Allocation</li> <li>4. Total Benefits From Work - Wage + Compensations</li> <li>5. Wage structure - heterogeneity of jobs and workers</li> <li>6. (Un)employment and employment relationships</li> <li>7. Labor Market Frictions.</li> <li>8. Human Capital Theory. Problems of recruiting.</li> <li>9. Labor productivity and employment</li> <li>10. The role of trade unions in the labor market and ways that trade unions affect wage increases.</li> <li>11. Workshop - preparation for employment.</li> <li>12. State and the labor market. Interventionism.</li> <li>13. Active labor market policy. Self-employment.</li> </ol>		

	14. Social policy and specific measures within a particular segment of social policy. 15. International flows of people, goods and capital - impact on the global labor market				
Planned activities, methods of learning and teaching and methods of evaluation	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>Share in ECTS (%)</b>	<b>Max share in grade (%)</b>
	Research project	1-5	30	1,5	25
	Oral presentation	1-5	10	0,3	5
	Mid-term exams I i II or final written exam	3-5	128	4,2	70
	<b>Total</b>		168	6	100
	<p>Additional clarifications (grading criteria):</p> <p>The research project consists of making a case-study on the particular country that will be determined by the professor to each of the students. The maximum share in the grade carried out by this research project is 25%, with following division by Croatian grades: grade "sufficient" (local grade: 2) is 12.5% of the grade; grade "good" (local grade: 3) is 17.5% of the grade; grade "very good" (local grade: 4) is 22.5% of the grade and grade "excellent" (local grade: 5) is 25% of the grade. The research project must be submitted (by uploading it to the e-learning platform) until the 1<sup>st</sup> mid-term exam.</p> <p>Oral presentation relates to the presentation of the research project is carried in front of the auditorium and it carries max 5% of the grade.</p> <p>Students have at their disposal the available digital literature in the form of a digital script, classical literature that can be obtained by mail from the University or Faculty Library, and video lectures subtitled to different world languages. Materials in e-form are available through the Moodle learning management system</p> <p>During the semester, two mid-term exams will be held (in the middle and by the end of the semester) each with 35% of the grade. All students can access the exam. Passing the mid-term exam means that a student has made a minimum of 50% of the total points of the mid-term exam or 17,5% of the grade.</p> <p>Students who do not attend the mid-term exam will go to the final written exam that carries 70% of the grade. Students passing 1<sup>st</sup> or the 2<sup>nd</sup> mid-term exam will not have those covered topics in the final exam. Students who pass both mid-term exams may be exempt from the final exam, if they so decide.</p> <p>Knowledge assessment takes place exclusively electronically in an online environment on the Moodle platform using Safe Exam Browser (and additional platforms such as ExamView, BookWidget, Remark Test Grading,...) through online exams with student identity verification, one-time test solving, password protection, with limited time, defined IP address, etc.</p> <p>The student's final grading is done on the basis of the final achievement, i.e. the sum of the grade obtained during the course and the grade on the final exam as follows:</p>				

	<p>Excellent – 89% to 100%,                  Very good – 76% to 88.9%,                  Good – 63% to 75.9% rating,                  Sufficient - 50% to 62.9%.</p>
Students` obligations	<p>To complete the course, a student must:</p> <ol style="list-style-type: none"> <li>1. Create a research project which should be positively graded.</li> <li>2. Successfully pass both of the mid-term exams or the final exam.</li> <li>3. Collect min. 50% of the grade in the overall grading</li> </ol>
Exam dates	<p>Exam dates are announced at the beginning of the academic year at Studomat.                  Mid-term exam dates will be given to the students in a timely manner, at least one month before the exam.</p>
Other important facts related to the course	<p>Students are required to respect the academic ethical principles that are regulated by the Statute of the Juraj Dobrila University of Pula and other relevant documents.                  Registrations and withdrawals of exams are done exclusively through the ISVU service.</p>
Weekly schedule of online activities	<p><u>Week 1</u> - video lectures and presentations as well as digital scripts on the topic of introduction to the course and basic concepts in the field of labor economics, supply and demand for work (Becker's model of time allocation in the household).                  Estimation of time load for students: 20 h</p> <p><u>Week 2</u> - video lectures and presentations as well as digital scripts on the analysis of Croatian labor legislation with emphasis on wages and compensations, wage structure in terms of heterogeneity of jobs and workers and the theory of human capital and human resources employment.                  Estimation of time load for students: 25 h</p> <p><u>Week 3</u> - video lectures and presentations as well as digital scripts on the topic of (un)employment, types of unemployment, labor market dynamics, productivity and employment, friction in the labor market from the perspective of workers and from the perspective of employers.                  Estimation of time load for students: 33 h</p> <p><u>Week 4</u> - video lectures and presentations as well as digital scripts on the role of trade unions in the labor market and the ways that trade union influence wage increases, state interventionism and employment policies within social policy.                  Estimation of time load for students: 25 h</p> <p><u>Week 5</u> - Workshop - preparation for employment. Creating a resume, preparing for a job interview, non-verbal communication. Analysis of available ads for jobs with the required qualifications and knowledge in the selected area. Discussion of international flows of people, goods and capital - the impact on the global labor market.                  Estimation of time load for students: 25 h</p> <p>Preparation for an oral presentation of research projects (continuously through weeks) - Estimation of total time load for students: 10 h                  Writing a research project on a given topic (continuously through the weeks) - estimation of the total time load for students: 30 h                  Preparation for colloquia / exam (continuously over weeks)</p>

Literature	<p><b>Mandatory:</b></p> <p>1. <b>Online materials</b> in the form of video lectures available on the Moodle online platform with the possibility of viewing (subtitles) in several world languages.                      Related to learning outcomes number 1-4</p> <p>2. Ehrenberg, R.G., Smith, R.S. (2012.) <b>Modern Labor Economics. Theory And Public Policy</b>, 11ed, Prentice Hall.                      Related to learning outcomes number 1-4</p> <p>3. <b>Digital script</b> is available as material on the e-learning portal and is adjusted annually in accordance with changes in the field of economic methodology.                      Related to learning outcomes number 1-4</p> <p><b>Optional:</b></p> <p>1. Borjas, G. J. (2010.) <b>Labor Economics</b>, 5th edition, McGraw-Hill/Irwin, New York.                      Related to learning outcomes number 1-4</p> <p>2. Chosen publication from <b>Croatian Bureau of Statistics and Croatian Employment Service</b>.                      Related to learning outcomes number 1-5</p> <p>3. Chosen <b>Eurostat</b> publications.                      Related to learning outcomes number 1-5</p>
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**CURRICULUM IMPLEMENTATION PLAN**

Course unit code	23792, EC113		
Course unit title	INTERNATIONAL ECONOMICS		
GENERAL INFORMATION			
Study programme	Undergraduate study programme	Year	III.
Director of the course and assistant	Ines Kersan-Škabić, Ph.D., Professor		
Course status <sup>7</sup>	x	Mandatory	Elective
Place of teaching	On-line study	Language	English
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload		6	
Number of hours per semester		60 (30L+30S)	
Course objectives, teaching and learning methods and learning outcomes			
The course objective is to introduce students with the conditions and determinants of the national economies' performance in the model of an open economy through the analysis of trade and investment flows and policies; economics of international organization and economic integrations, international payments and activities of international monetary system. The course involves regular lectures, visiting lectures, counseling and continuous assessment tools while students are obliged to write the seminar paper and pass final exam.			



Learning outcomes for this course are following:

1. to interpret the causes (reasons) and benefits that country reaches from the participation in international trade, to define the effects of protectionism on the foreign trade;
2. to analyze trade flows and trade structure (by countries and by sectors); investments flows and the structure of balance of payments;
3. to explain the specific characteristics and activities of international economic integrations and organizations;
4. to differentiate exchange rates regime, to find out and emphasize the advantages and costs of any specific exchange rate regime; to introduce with the different kind of transaction of foreign exchange market; to analyze the impact of exchange rate changes on the foreign trade flows;
5. to estimate internal and external factors of financial crisis and indebtedness; to discuss implications of applied measures of monetary and fiscal policy, as well as, foreign exchange rate policy in achieving of internal and external equilibrium.

Requirements, correspondence and correlativity

It is necessary that students have knowledge from macroeconomics and microeconomics.  
Correspondence (with the courses): International economics (at different universities)

**Course content** (list of topics)

1. **International trade theory**
2. **International trade policy**
3. **Multilateral and regional trade liberalization**
4. **Exchange rates and open-economy macroeconomics**
5. **International organizations and integrations**
6. **International monetary system**

**Modes of instruction and acquiring knowledge** (mark in bold)

Lectures	Seminars and workshops	Exercises	Individual tasks	Multimedia and internet
Distance learning	Counseling	Laboratory	<b>Tutorial</b>	Fieldwork

Students are required to write individually an seminar paper on chosen topic (from the list of topics) and one essay that has the characteristics of a critical review. The topics are assigned by the professor; the student must fulfill this obligation and submit the works in word format for assessment and confirmation of quality. The quantity of the seminar paper is defined as a maximum of 5000 words and for the essay 1000 words. Based on the quality of the written works, the student achieves up to 40% share in the final grade.

Continuous assessment:

On-line colloquium I - covers topics 1-3 (max. 30% of grade)

On-line colloquium II - covers topics 4-6 (max. 30% grade).

Succession on the colloquium is considered when the student has achieved at least 50% of the total number of points (in each colloquium). The student must pass the material from both colloquia in order for them to be recognized as equivalent to the final written exam. Writing the colloquia is not obligatory.

The final grade is obtained by summing the achieved percentages in seminars, essay and both colloquia as the equivalent of a written exam. The student takes the final on-line written exam in case he/she: (1) does not pass one of the colloquia, (2) does not pass any of the colloquia, (3) is not satisfied with the achieved grade, (4) wants to take the final written exam. At the final written exam, the student takes the equivalent of both colloquia that he did not pass during class. At the final written exam, the student can achieve 60% of the grade, and the exam is graded as positive if the student has achieved at least 50% of the total number of points.

Passed colloquia, seminar paper and essay paper in the current academic year are recognized as fulfilled no later than the end of the next academic year.



Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

### Student requirements

The student is monitored and evaluated throughout the semester as follows:

- Seminar = 30%
- Essay = 10%
- Written online exam (or two colloquia)= 60%.

The final grade is obtained as follows:

A = 90 – 100%	5 (excellent)	= 89 – 100% of the grade
B = 80 – 89,9%	4 (very good)	= 76 – 88,9% of the grade
C = 70 – 79,9%	3 (good)	= 63 – 75,9% of the grade
D = 60 – 69,9%	2 (sufficient)	= 50 – 62,9% of the grade

Assessment and evaluation of students (mark in bold)

Attendance	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	Oral exam	<b>Essay</b>	Research
Project	<b>Continuous assessment</b>	Report	Practical work

Assessment breakdown within the *European credit transfer system*

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Seminar paper	25	1-5	0,9	30
Essay	13	2- 5	0,5	10
Written exam I. part	65	1-3	2,3	30
Written exam II. part	65	3-5	2,3	30
	168		6,0	100

### Exam and colloquium deadlines

Listed at the beginning of the academic year on the FET and ISVU websites.

### Weekly schedule of on-line activities

Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 1 (estimated time load: 25 hours)  
 Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 2-3 (estimated time load: 20 hours)  
 Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 4 (estimated time load: 20 hours)  
 Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 5-6 and writing a given independent essay (estimated time load: 30 hours)  
 Week 5: Studying and writing an seminar and essay (estimation of time load: 20 hours)  
 Week 6: Preparation for the final on-line written exam (estimated time load: 53 hours)

### Bibliography

#### Mandatory bibliography

1. Krugman, P.R. & Obstfeld, M (2018): International Economics: Theory and Policy, 11th Edition, Pearson Education (connection with learning outcomes: 1-5)
2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-5)

#### Additional bibliography

1. Mikić, M. (1998): International Trade, Macmillan Press Ltd., London.
2. Salvatore, D. (2001): International Economics, John Willey and Sons..
3. Web sources of relevant organizations and institutions such as: International Monetary Fund, <http://www.imf.org>; UNCTAD, <http://www.unctad.org>; WTO, <http://www.wto.org>; European Union, <http://europa.eu>

#### Additional information on the course

Any available literature that deals with topics in international economics can be used alternatively.

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.

Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.

The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.

Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobriša in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

#### Detailed course unit executive plan and programme

Course unit title	ECONOMICS OF PUBLIC SECTOR		
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#### GENERAL INFORMATION

<b>Study programme</b>	Undergraduate study program in Economics	Year	III
<b>Director of the course and assistant</b>	Sandra Krtalić, Phd Full Professor of Economics E-mail: <a href="mailto:skrtalic@unipu.hr">skrtalic@unipu.hr</a>		
<b>Course status<sup>8</sup></b>	X	Mandatory	Elective
<b>Place of teaching</b>		On-line study	Language English

#### Credits allocated and type of lectures

	Winter semester	Summer semester
<b>ECTS students workload</b>	6	
<b>Number of hours per semester</b>	(30L+30S)	

#### Course objectives, teaching and learning methods and learning outcomes

This course will cover the major topics in economics of public sector/public finance. We will examine the theoretical and empirical issues concerning the provision and allocation of public goods and services, positive and normative aspects of taxation, and fiscal federalism. To provide students with an understanding of the scope of public economics – the study of taxation and public expenditure – and with the ability to analyse and understand key issues in this field using standard tools of theoretical and empirical economic analysis, corresponding to the level taught in core second-year economics courses.

Learning outcomes for this course are following:

1. have a knowledge of the dimensions and functions of the public sector in at least one country, and an appreciation of the normative arguments which might define the economic borders of the state

<sup>8</sup> Mark with „X“

2. be familiar with basic economic concepts and methods relating to taxation, including incidence and efficiency
3. be able to analyse, using relevant economic concepts and methods, a number of issues in tax policy, such as the optimal structure of indirect taxes, and the relative merits of different forms of income taxation
4. have a clear understanding of the economic theory of public goods, and of the problems which arise in making efficient decisions about public goods provision
5. understand the economic issues concerning various aspects of the role of the public sector in economy
6. analyze public expenditure policy and methods of public spending efficiency.

#### Requirements, correspondence and correlativity

**Correspondence or Correlativity:** Knowledge of basic Economics is necessary. Course Microeconomics and Macroeconomics are also preferable.

#### Course content (list of topics)

1. **The General Theory of Public Finance.** Introduction in Public Finance. Economic Roles of Government. Spending Public Finance in the Public Interest. Research Methods in Public Finance.
2. **Allocation of Resources, Income Distribution and Public Choice.** Optimum Allocation. Public Goods. Opportunity Cost in the Public and Private Sectors. Income Redistribution. Public Choice.
3. **Public Revenues.** Public Revenues. Theory of Taxation. Principles of Taxation. Taxation. The Economic Effects of Taxation. Tax Incidence. The Welfare Effects of Taxation.
4. **Tax System and Taxation** Tax system. The Need for Revenue. The Balance between Direct and Indirect Taxes. Taxes on Income. Taxes on Profit. Taxes on Consumption. Other Taxation.
5. **Public Expenditure.** Definition of Public Expenditure. Theories of Public Expenditure. Trends in Public Expenditure. Reasons for the Growth of Public Expenditure. Public Consumption. Cost-Benefit Analysis. Cost Effectiveness Analysis.
6. **Budget.** The Budget. Principles of Budget. Preparation of the Budget. The Role of Parliament. The Treasury. Budget Deficit.
7. **Public Debt** Nation Debt Defined. Structure of the National Debt. The National Debt Burden. The Internal and External Burden of the National Debt.
8. **Fiscal Decentralization.** Organisation and Functions of Local Government. The Financial System of Local Authorities. Fiscal Decentralization.
9. **Fiscal policy.** Background to Fiscal Policy. Fiscal Policy in Relation to Employment. Fiscal Policy in Relation to Economic Growth and Standard of Living. Fiscal Policy in Relation to Distribution of Income and Wealth.

#### Modes of instruction and acquiring knowledge (mark in bold)

Lectures	Seminars and workshops	Exercises	<b>Individual tasks</b>	Multimedia and internet
<b>Distance learning</b>	Counseling	Laboratory	Tutorial	Fieldwork

#### Student requirements

1. Students have a seminar about topics in relation with Public Finance and they have to be ready to participate actively to the lectures
2. pass the obligatory final exam.

#### Assessment and evaluation of students (mark in bold)

Attendance	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
Written exam	Oral exam	Essay	Research

Project	Continuous assessment	Report	Practical work	
<i>Assessment breakdown within the European credit transfer system</i>				
REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class participation	30	1-6	0,9	10%
Seminar paper	34	1-6	1,1	20%
Oral Exam on line	104	1-6	4	70%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>
<p>Exposition in lectures will be mainly verbal and diagrammatic, rather than formal and mathematical. There will be a strong emphasis on students securing a thorough intuitive understanding of the processes being analysed. Students are responsible for the required readings and for additional readings that will occasionally be announced in class. Students are expected to contribute by integrating, when appropriate, current public finance issues drawn from the business, financial, and general press into class discussions. The Economist, Der Spiegel etc. are highly recommended. Every student should be prepared to contribute meaningfully to every class session.</p> <p><b>Class participation:</b> Contemporary news from the EPS; Detect the important changes of fiscal/tax/budget policy.</p> <p><b>Seminar paper (presentation):</b> Detailed analysis and sintesis of knowledge, development of critical thought, anticipate implication for Croatia/or a particular state/country; Analyzing particular topics from the different point of view. The seminar obligation and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.</p> <p><b>Final online oral exam:</b> Sintesis of different topics; Critical thought.</p> <p>According to the <i>Code of evaluation</i> the final grade is obtained as follows:</p> <p>A = 90 – 100% 5 (excellent)                      B = 80 – 89,9% 4 (very good)                      C = 70 – 79,9% 3 (good)                      D = 50 – 69,9% 2 (sufficient)</p>				
<b>Student obligations</b>				
To pass the course, a student must: <ol style="list-style-type: none"> <li>1. Students should attend on-line lectures (live), as a form of preparation for the analysis and the writing of the seminar, as well as for the preparation for the oral part of the exam, in the case of absence within an on-line class</li> <li>2. Prepare the seminar paper with an emphasis on the critical aspect as well as research background, according to the instructions (submitted work is an obligatory condition for taking the final exam)</li> <li>3. Attend final on-line oral exam.</li> </ol>				
<b>Exam and colloquium deadlines</b>				
Listed at the beginning of the academic year on the FET and ISVU websites.				
<b>Weekly schedule of on-line activities</b>				
Week 1: Studying and reviewing pdf presentation and content available on the on-line platform related to topics 1-2 (estimated time load: 10 hours) Week 2: Studying and reviewing pdf presentation and content available on the on-line platform related to topics 3-4 (estimated time load: 10 hours) Week 3: Studying and reviewing pdf presentation and content available on the on-line platform related to topics 5-7 (estimated time load: 10 hours) Week 4: Studying and reviewing pdf presentation and content available on the on-line platform related to topics 8-9 and writing a given seminar paper (estimated time load: 10 hours) Week 5: Studying and writing the seminar (estimation of time load: 28 hours) Week 6: Preparation for the final on-line oral exam (estimated time load: 100 hours)				

<b>Bibliography</b>
<b>Mandatory bibliography</b>
<ol style="list-style-type: none"> <li>1. Stiglitz, J.E. and Rosengard, J. K. 2015. <b>Economic of the Public Sector</b> (Fourth edition), W. W. Norton &amp; Company. (correlation with learning outcomes: 1-6) Or Ebook: <a href="https://wwnorton.com/books/9780393925227/about-the-book/product-details">https://wwnorton.com/books/9780393925227/about-the-book/product-details</a></li> <li>2. Rosen H. S. and Gayer, T. 2013. <b>Public Finance</b> (Tenth edition), Irwin/McGraw Hill: Chicago. (correlation with learning outcomes: 1-6)</li> <li>3. On-line materials in the form of pdf presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-6)</li> </ol>
<b>Additional bibliography</b>
<ol style="list-style-type: none"> <li>1. International Institute of Public Finance: <a href="https://www.iipf.org">https://www.iipf.org</a></li> <li>2. Ministry of Finance (from the country where the student comes from)</li> <li>3. International Monetary Fund (IMF): <a href="https://www.imf.org/en/Home">https://www.imf.org/en/Home</a></li> <li>4. The Economist: <a href="https://www.economist.com">https://www.economist.com</a></li> <li>5. Der Spiegel: <a href="https://www.spiegel.de">https://www.spiegel.de</a></li> </ol>
<b>Additional information on the course</b>
<p>The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.</p> <p>Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.</p> <p>The commission exam, which the student takes for the 8th time, reflects the standards of the entire course and will be held in on-line oral form with review and grading by the selected Professors' Commission.</p> <p>Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.</p>

CURRICULUM IMPLEMENTATION PLAN			
Code and course title	23794, EC115 Regional Economics		
Teacher	Lela Tijanić, PhD Associate Professor <a href="https://fet.unipu.hr/fet/lela.tijanic">https://fet.unipu.hr/fet/lela.tijanic</a>		
Study program	Undergraduate study program in Applied Economics (part-time)		
Type of course	Mandatory	Course level	Undergraduate
Semester	Summer	Year of study	III
Place of performance	On-line environment	Language	English
ECTS points	6	Number of hours per semester	30L – 0E – 30S



Prerequisites for enrollment and for mastering	There are no special course enrolment requirements defined.				
Correlation	Development Economics				
Course objective	Prepare students to apply different theoretical and methodological approaches related to the analysis of regional economics and management of regional development, with special emphasis on the European Union (EU) regions.				
Learning outcomes	<ol style="list-style-type: none"> <li>1. Explain the basic terms and scientific and theoretical aspects of regional economics</li> <li>2. Interpret theoretical and methodological basics of regional development policy</li> <li>3. Analyze different aspects of regional economic structure and models of regional growth</li> <li>4. Compare instruments of regional economic policy, EU funds</li> <li>5. Assess the effects of regional policy in the EU</li> <li>6. Within problem-solving tasks, use the acquired knowledge and skills to propose solutions to problems of contemporary regional development</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>1. Regional economics – the concept, subject and scope of research into regional economics, the criteria and motives of regionalization, the NUTS classification.</li> <li>2. Regional accounts, regional growth, factors and projections.</li> <li>3. Regional economic policy.</li> <li>4. Regional development and convergence.</li> <li>5. Regional competitiveness.</li> <li>6. Regional migrations.</li> <li>7. Spatial economics, new economic geography.</li> <li>8. Location policy, strategic development plans on the local level.</li> <li>9. Regional economic integration.</li> <li>10. EU regional policy and EU funds.</li> <li>11. Environmental protection and regional development.</li> </ol>				
Planned activities, learning and teaching methods and evaluation methods	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECT S</b>	<b>Maximum grade share (%)</b>
	Written assignment (seminar paper)	1 – 6	56	2	30%
	Written assignment (essay)	1 – 6	28	1	10%
	Midterm (written) exam I	1 – 3	42	1,5	30%
	Midterm (written) exam II	4 – 6	42	1,5	30%
	<b>In total</b>			168	6
Additional clarifications (evaluation criteria):  When preparing for the course, the student has access to classic literature available from the University/Faculty library, digital notes (script) and lectures available via the Moodle e-learning system. During the lectures, additional available online sources will be recommended to the students for the preparation of independent assignments, depending on the topic.					



	<p>Part-time students must write a seminar paper (15–20 pages, <i>Times New Roman</i>, 12, <i>spacing 1.5</i>) on the topic assigned by the lecturer. The paper must include a critical assessment of the covered topic. Students may achieve a maximum of 30% of the grade for writing a detailed seminar paper, which includes several used sources, an analysis of appropriate data and examples, and contains a critical assessment, and for which all criteria regarding the content and formal and linguistic aspects are met. If errors are determined, students get a lower grade. Plagiarism or quoting texts without appropriate citations are strictly prohibited.</p> <p>According to the assigned topics, students must write an essay (2 pages, <i>Times New Roman</i>, 12, <i>spacing 1.5</i>). Students may achieve the maximum 10% of the grade if they write an essay which formally and content-wise meets all set criteria explained by the lecturer, and for which numerous works have been examined, if the critical assessment contains sufficient details, is written clearly and based on the analysis of appropriate examples/data. If errors are determined, students get a lower grade.</p> <p>During the semester, the students must pass two exams. The midterm exam I covers units 1–5, while the midterm exam II covers units 6–11. Students must pass both exams. In each of these exams, students may achieve a maximum of 30% of the grade. If the student has correctly answered 50% of the questions in an exam, i.e. 15% of the final grade, the student has passed the exam. Students who have not passed both exams or are not satisfied with the results will take the final exam. If the student has achieved at least 50% of total points, the student has passed the final exam.</p> <p>A positive grade for the seminar paper and the essay are required for part-time students to take the midterm exam II/final exam.</p> <p>The final grade of part-time students is based on the seminar paper and essay grade and the midterm exams / final exam results.</p>
Student obligations	<p>In order to pass the course, the student must:</p> <ol style="list-style-type: none"> <li>1. Get a positive grade for their seminar paper prepared according to the lecturer's instructions on the topic assigned by the lecturer. Students must submit the seminar paper within the deadline determined by the lecturer at the start of the semester.</li> <li>2. Get a positive grade for their essay prepared according to the lecturer's instructions and which must be submitted within the deadline determined by the lecturer at the start of the semester.</li> <li>3. Pass two exams / the final exam. Students who have achieved a positive grade for their seminar paper and their essay may take the midterm exam II/final exam. The exam is written, taken in an online environment.</li> </ol>
Exam dates	<p>Exam dates are published at the start of the academic year through ISVU system. Mid-term exam dates will be given to students during the first lectures.</p>
Other important facts related to the course	<p>Presentations from classes are published on the e-learning website (as specific units are covered during the semester). The records of achieved grades during class and midterm exams / final exam results are also published on the e-learning website.</p> <p>Responsibilities fulfilled according to the described syllabus are valid until a new syllabus is implemented.</p> <p>The professor may revise the syllabus depending on the number of students or some other circumstances.</p>

Weekly schedule of online activities	<p><u>Week 1:</u> studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Course introduction; Basic characteristics of Croatian regions; Regional economics - the concept, subject and scope of research; Regionalization; Regional growth, factors and projections; Regional accounts; Regional economic policy; Regional development; Regional disparities; Regional convergence; Regional competitiveness. Assessment of workload: 10 hours.</p> <p><u>Week 2:</u> studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Regional policy actors; Regional migrations; Spatial economics. Assessment of workload: 10 hours.</p> <p><u>Week 3:</u> studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Location policy, strategic development plans on the local units. Studying literature, online databases for seminar and essay preparation according to the course plan. Assessment of workload: 40 hours.</p> <p><u>Week 4:</u> studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Regional economic integration; EU regional policy. Studying literature, online databases for seminar and essay preparation according to the course plan. Assessment of workload: 40 hours.</p> <p><u>Week 5:</u> studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: EU funds; Environmental protection and regional development; Contemporary approach to managing regional development. Studying literature, online databases for seminar and essay preparation according to the course plan. Assessment of workload: 34 hours.</p> <p><u>Week 6:</u> studying and reviewing the PowerPoint presentations, digital notes (script) and other literature, final preparation for midterm exams/final exam. Assessment of workload: 34 hours.</p>
Literature	<p>Required:</p> <ol style="list-style-type: none"> <li>1. Notes (digital script) made by the lecturer for the online course. The notes are published as an e-learning material (they are adjusted yearly during the course in order to include current affairs and continually update the topics in the field of regional economics and they also include various quality literature which follows the topics of the course and which is not available to students online). Connected with learning outcomes 1–6.</li> <li>2. Online materials in the form of presentations, accessible through e-learning system. Connected with learning outcomes 1–6.</li> <li>3. Armstrong, H. and Taylor, J. (2000.): Regional Economics and Policy, Blackwell Publishing, Oxford (pp. 1-90, 140-201, 232-401). Connected with learning outcomes 1–6.</li> </ol>

	<p>4. Bogunović, A. (2011.): Regionalna ekonomika i politika, Ekonomski fakultet Zagreb, Zagreb (pp. 1-275) Connected with learning outcomes 1–6.</p> <p>Optional:</p> <ol style="list-style-type: none"> <li>1. Cambridge Econometrics, ECORYS-NEI and Martin, R. L. (2003.): A Study on the Factors of Regional Competitiveness, <a href="http://ec.europa.eu/regional_policy/sources/docgener/studies/pdf/3cr/competitiveness.pdf">http://ec.europa.eu/regional_policy/sources/docgener/studies/pdf/3cr/competitiveness.pdf</a></li> <li>2. Capello, R. (2007.): Regional Economics, Routledge, London, New York</li> <li>3. Capello, R. and Nijkamp, P. (eds.) (2009.): Handbook of Regional Growth and Development Theories, Edward Elgar Publishing Inc., Northampton</li> <li>4. European Commission – Regional Policy: <a href="http://ec.europa.eu/regional_policy/en/">http://ec.europa.eu/regional_policy/en/</a></li> <li>5. Isard, W. (1960.): Methods of Regional Analysis: An Introduction to Regional Science, The M.I.T. Press, Cambridge</li> <li>6. McCann, P. (2013.): Modern Urban and Regional Economics, Oxford University Press, Oxford</li> <li>7. OECD (2018.): OECD Regions and Cities at a Glance 2018, OECD Publishing, Paris, <a href="https://doi.org/10.1787/reg_cit_glance-2018-en">https://doi.org/10.1787/reg_cit_glance-2018-en</a></li> <li>8. Pike, A., Rodríguez-Pose, A. and Tomaney, J. (2010.): Handbook of Local and Regional Development, Routledge, New York</li> </ol> <p>Additional:</p> <p>Articles in: Journal of Regional Science, Journal of Regional Analysis and Policy, Regional Studies, Urban Studies.</p> <p>Other internet sources:</p> <p><a href="http://www.dzs.hr">http://www.dzs.hr</a>; <a href="https://ersa.org/">https://ersa.org/</a>; <a href="http://www.oecd.org">http://www.oecd.org</a>;  <a href="http://www.uncdf.org">http://www.uncdf.org</a>; <a href="http://www.worldbank.org">http://www.worldbank.org</a></p> <p>For every seminar paper topic, additional (including online) literature will be suggested to students as required. The students are also advised to use the databases available at University.</p>
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CURRICULUM IMPLEMENTATION PLAN			
Code and course title	23795 (EC116) History of economic thought		
Teacher	Full professor Marinko Škare <u>Associate professor Daniel Tomić</u> <u>Associate professor Saša Stjepanović</u>		
Study program	Undergraduate University study “Applied Economics”		
Type of course	Elective	Course level	Undergraduate

Semester	Winter	Year of study	III.		
Place of performance	Classroom	Language	English		
ECTS points	6	Number of hours per semester	30L-0-30S		
Prerequisites for enrollment and for mastering	There are no prerequisites for enrolling in the course.				
Correlation	Economic History, Macroeconomics, International Economics				
Course objective	<p>The aim of the course is to acquaint students with the history and development of economic thought, paradigms, theories and models so that students will gain basic knowledge of the sources of economic theories that will help them understand and solve contemporary economic problems of the same or similar characteristics. basis for easier understanding of other economic courses in the education process.</p>				
Learning outcomes	<ol style="list-style-type: none"> <li>1. Understand the significance and importance of economic doctrines for the development of economic science and ideas.</li> <li>2. Systematize, explain, and compare the economic contributions and ideas of different schools of economic thought throughout history.</li> <li>3. Systematically analyze and contrast the contributions of different authors through different epistemological positions and ontological frameworks.</li> <li>4. Understanding contemporary economic problems through their historical interpretation.</li> <li>5. By forming a historical framework for the emergence of individual economic ideas and solutions to enable the creation of a conceptual and chronological platform for the observation of emerging conditions in the economy.</li> <li>6. Active connection of theories, paradigms, models and solutions with the problems that are addressed in other economic subjects.</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>1. Introduction to the history of economic thought and philosophy.</li> <li>2. Chronological approach and comparison; preclassicism, mercantilists, physiocrats.</li> <li>3. Classical theory - Malthus, Ricardo, Say.</li> <li>4. Classical theory - Adam Smith.</li> <li>5. Chronological approach and comparison; neoclassicism, social utopianism and Marxism.</li> <li>6. Neoclassical theory - Alfred Marshall.</li> <li>7. Authorities of Microeconomics: Jevons-Menger-Walras-Pareto.</li> <li>8. John Maynard Keynes - the greatest economist of the 20th century.</li> <li>9. Development, influence and consequences of Keynesianism on modern macroeconomic science.</li> <li>10. Systematization of economic science by J. Schumpeter.</li> <li>11. Monetarism and M. Friedman.</li> <li>12. Neoclassical synthesis as mainstream in the second half of the 20th century.</li> <li>13. Contemporary contributions; rational expectations of R. Lucas.</li> <li>14. Contemporary contributions; Nobel laureates in economics.</li> <li>15. Concluding remarks on economic doctrines through economic science, economic engineering and economic management.</li> </ol>				
Planned activities,	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum grade share (%)</b>

learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	Second: consultations on seminar work	1-6	45	1,6	10
	Seminar paper	1-5	38	1,4	40
	Exam (oral)	1-5	85	3,0	50
	In total		168	6	100
	Additional clarifications (evaluation criteria):  Students are required to create an independent seminar paper that has the characteristics of a research character. For additional consultation on the quality of seminar work (discussion, questioning of ideas, etc.) during the year, an additional 10% of the grade is achieved. The seminar is awarded by the professor, the student conducts it and submits it for examination to the professor for assessment and confirmation of quality, and for the same he achieves up to 40% share in the final grade: - if the student covered all the necessary subtopics in the seminar, used the proposed literature, and wrote a quality paper that contains a critical aspect of the conclusion achieves 21-40%, if the seminar partially covered the proposed topic, did not use all the proposed literature and it does not aspect, can achieve 0-20% grade.  The last aspect of the assessment is formed on the oral part of the exam which is based on up to 5 questions from the topics, ie the content of the course and related topics of seminar papers, and makes up 50% of the total share in the final grade. The final grade from the course is obtained by summing the achieved percentages in the consultative classes, from the seminar and the oral part of the exam.  Seminar work and activity in the current academic year are recognized no later than the end of the next academic year.				
Student obligations	To pass the course, the student must: <ol style="list-style-type: none"> <li>1. Prepare a seminar paper according to the instructions (condition for taking the oral exam)</li> <li>2. Take the final oral exam</li> </ol>				
Exam and colloquium deadlines	They are published at the beginning of the academic year on the faculty websites.				
Other important facts related to the course	Students are obliged to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Ordinance on Studies, the Ordinance on Grading and the Code of Ethics.  The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.  Registration and cancellation of final exams is done exclusively through the ISVU service or student office.  The commission exam, which the student takes for the 8th time, reflects the standards of the entire course and will be held orally through the selected Teachers' Commission for the commission exam.				
Literature	Required: 1. Ekelund, R.B., R.F. Hebert (1997): History of economic theory and method, Mate d.o.o., Zagreb. (pp. 20-650)				



	<p>Elective:</p> <ol style="list-style-type: none"> <li>1. Lunaček, V. (2004): Povijest ekonomskih doktrina, Dom i svijet / Zagreb, Ekonomski fakultet Sveučilišta u Zagrebu, Zagreb.</li> <li>2. Napoleoni, C. (1972): Economic Thought of 20th Century, Martin Robertson.</li> <li>3. Roll, E. (1974): History of Economic Thought, Allen and Unwin.</li> <li>4. Sharma S., M. Škare (2006): Essays in Economic Philosophy, Mikrorad, Zagreb.</li> </ol> <p>Handy:</p> <ol style="list-style-type: none"> <li>1. Blaug, M. (1988): Economic Theory in Retrospect, Cambridge University Press, IVed.</li> <li>2. Schumpeter J.A. (1982): History of Economic Analysis, MIT Press, Mass. XII imp.</li> </ol>
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CURRICULUM IMPLEMENTATION PLAN			
Course Unit Title	INSTITUTIONAL ECONOMICS		
Directors of the course	<p>Marinko Škare, Phd Full Professor of Economics Email: mskare@unipu.hr</p> <p>Dean Sinkovic, Phd, MBA Associate Professor of Economics Email: dean.sinkovic@unipu.hr</p>		
Study program	Undergraduate study program in Economics		
Course status	Elective	Level	Undergraduate
Semester	Winter	Study year	III.
Teaching environment	On line platforms	Language	Croatian and English
ECTS student workload	6	Credit allocation and type of lectures	40 (Teaching) 20 (Seminars)
Course requirements	Introduction to Economics or Economics 101 course must be passed		
Correspondence or Correlativity	Heterodox economic theories, Behavioral Economics, New Political Economy, Development Economics		
Course Objectives	<p>Institutional economics is an interdisciplinary course in the new political economy with specific goal to explain the relationships between microeconomics, political theories, legal framework, institutional change and theories of public choice. The aim of this course is to explain that consumer behavior and their choices, in addition to economic ones, are deeply influenced by cultural, historical, political and religious factors. Students are encouraged to explore the importance of formal and informal institutions, to gain understanding of the causes and opportunities of institutional changes and the impact of the institutions on economic growth and development. Furthermore, students will analyze the impact of institutional development in a global context with a focus on institutional change and accompanying economic policies of individual countries. Finally, the objective of this</p>		



	<p>course is to gain insight into an alternative theoretical and methodological approach from the neoclassical dogmas that prevail in modern economics.</p>				
<p>Learning outcomes</p>	<ul style="list-style-type: none"> <li>- To familiarize students with theoretical and methodological framework of institutional economics</li> <li>- To recognize methodological and theoretical difference between mainstream and institutional economics</li> <li>- To understand how formal and informal constraints determines individual and social behavior.</li> <li>- To explain the relationship between institutions, institutional changes and economic growth/development</li> <li>- To gain understanding the mechanism and interrelationship between institutional development and successful economic policies</li> </ul>				
<p>Course content</p>	<ul style="list-style-type: none"> <li>• Introduction to theoretical and methodological aspects of institutional economics</li> <li>• Comparison of theoretical and methodological settings of neoclassical and institutional economics (and other key economic schools)</li> <li>• Analysis of formal and informal institutions and their impact on consumer behavior</li> <li>• The impact of international institutions and institutional changes on economic development</li> <li>• Interdependence of development institution, economic growth and economic policy</li> </ul>				
<p>Modes of instruction and acquiring knowledge</p> <p>Assessment and evaluation of students</p>	<p><b>Requirements</b></p>	<p><b>Learning outcomes</b></p>	<p><b>Hours</b></p>	<p><b>Share in ECTS</b></p>	<p><b>Share in grade</b></p>
	<p>Class attendance</p>	<p>1 – 5</p>		<p>0,3</p>	<p>5%</p>
	<p>Essay/critical review/class participation</p>	<p>1 – 5</p>		<p>1,2</p>	<p>20%</p>
	<p>Seminar paper (project)</p>	<p>3 - 5</p>		<p>2,1</p>	<p>35%</p>
	<p>Written exam</p>	<p>1 – 5</p>		<p>2,4</p>	<p>40%</p>
	<p><b>Total</b></p>			<p><b>6</b></p>	<p><b>100%</b></p>
<p><b>Additional information:</b></p> <p>To successfully prepare and pass the course each student has available digital literature in the form of digital books and scripts, regular literature that can be obtained via mail by university of faculty library as well as video presentations adapted to different world languages. All of these documents are available via university online platform Moodle.</p> <p><b>The critical review or essay</b> is given by the subject teacher and refers to short written analysis (4-5 pages, 1,5 spacing, font 12) in which the analytics and the depth and quality of personal criticism / arguments by the student will be considered. The critical review / essay is individual assignment and sent to the teacher via email in PDF forma</p> <p><b>The seminar paper/project</b> and the presentation are written in a group of two or three students and the topic is chosen by the students from a series of offered</p>					

topics. The seminar paper must meet a strict written form, presented via moodle platform and submitted via email in PDF format.

**The written exam** covers the entire course content and is written at the end of the semester via online platform moodle.

Knowledge assessment is performed exclusively in the online environment (moodle platform) using a safe exam browser, online exams with student identity confirmation, as a one-time test via password protection scheme and with limited time and defined IP address.

**Additional information (evaluation criteria):**

**The student is obliged to attend at least 70% of the teaching hours** and thus acquires the right to achieve 5% success course rate. Students who are unable to attend classes at the level of 70% or more of the teaching hours, can choose to write an additional essay as a substitute, thus gaining the right to achieve 5% success rate

**Class participation** implies that the student is ready for each individual lecture, to actively participate in online discussions and to be able to give an answer to a question asked by the subject teacher, related to the previously covered topics. If a student writes a critical review / essay, and also actively participates in teaching discussions, he / she acquires the right to achieve 20% success.

**The seminar paper/project** implies teamwork assignment and group presentation of a defined topic as well as sending the seminar in written format. Good quality presentation and correct form and content of the seminar paper are a prerequisite for achieving 35% of the course success rate.

**There is only one written exam.** Its content refers to the material that the student has listened to. Students are informed in advance about the exact date of writing the test (after attending lectures). The test carries 40% course success rate and to pass the exam student needs to achieved at least 50% points (i.e. 50 out of 100 points).

Students are required to adhere to given deadlines for individual and group assignments. Unjustified non-compliance in regard to deadlines will result in a negative grade (0 points) for the given activity. If there are justified reasons (illness or some other more serious reasons), the student is obliged to inform the professor and provide evidence for the justification for not taking the exam and (or) the absence of teaching and (or) presentation of individual and group projects.

At the end of the semester the overall student's performance is evaluated according to the European Credit Transfer System.

The final grade is determined according to the following formula:

$$\text{GRADE} = 40\% \times W + 35\% \times S + 20\% \times P + 5\% \times N$$

where:

W = the number of point achieved in the written exam

S = the number of point achieved via seminar paper

P = class participation, essay/critical review

N = class attendance

	Final grade is determined in the following format: A = 90 – 100%                      5 (excellent) B = 80 – 89,9%                      4 (very good) C = 70 – 79,9%                      3 (good) D = 50 – 69,9%                      2 (sufficient)
Student obligations	To successfully pass the course the student is obliged to: <ul style="list-style-type: none"> <li>▪ listen the video lectures, analyze PPT presentations and other materials on the moodle platform as well as to actively participate in thematic discussions</li> <li>▪ write an essay / critical review on a topic given by the subject teacher (individual work) and send it as a PDF document</li> <li>▪ write and present a seminar paper (as a part of group) via the moodle platform</li> <li>▪ to take the final test (written exam) and perform other forms of continuous assessments</li> </ul>
Exam deadlines	Published at the beginning of the academic year on the faculty website and other student platforms.
Weekly online schedule	<p><b>Week 1</b> - Introduction to the course and define students' obligations. Review of video lectures, PPT presentations and digital scripts on the following topics: (1) Review of economic theories and policies (2) Heterodox economic philosophy (3) Fundamentals of institutional economics.</p> <p><b>Week 2</b> - Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) Theoretical and methodological comparison of neoclassical and institutional economics (2) Institutional development through history (3) Formal and informal institutions and its influence on consumer behavior</p> <p><b>Week 3</b> - Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) International institutions and societal change (2) Interdependence of institutional development and economic growth (3) Institutional analysis of individual countries</p> <p><b>Week 4</b>- Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) Institutional analysis in the European Union and comparison with the United States of America, United Kingdom and China (2) Political economy and institutionalism (3) New institutional economics</p> <p><b>Week 5</b> - Study of the video lectures, PPT presentations, digital scripts and video analysis on the following topics: (1) Institutional changes in the age of digitalization (2) The role of the state and the new institutional framework in response to the COVID-19 pandemic</p> <p><b>Week 6</b> - Seminar papers/projects presentations and preparation for the final exam.</p> <p>Estimated time load 60 hours.</p>
Literature	Mandatory: <ol style="list-style-type: none"> <li>7. On-line materials in the form of video lectures that are available on the online platform (24 hours per day)</li> </ol>

	<p>8. <b>Douglass C. North:</b> <i>Institutions, Institutional Change and Economic Performance</i>, Cambridge University Press, 1990. Book available on the following link:  <a href="https://doi.org/10.1017/CBO9780511808678">https://doi.org/10.1017/CBO9780511808678</a> - associated with the learning outcomes 1,2,3,4 and 5.  <b>performance/AAE1E27DF8996E24C5DD07EB79BBA7EE</b></p> <p>9. <b>John Groenewegen, Annete Van den Berg, Antoon Spithoven:</b> <i>Institutional Economics : An Introduction</i>, Palgrave Macmillan, 2010.                  E book available on the following link:  <a href="https://www.researchgate.net/publication/258318787_Institutional_Economics_An_Introduction">https://www.researchgate.net/publication/258318787 Institutional Economics An Introduction</a> - associated with the learning outcomes 1,2 and 3</p> <p>10. Digital script created for the needs of the course available on the moodle platform (24 hours per day)</p> <p>Elective:</p> <ul style="list-style-type: none"> <li>- <b>John R. Commons:</b> <i>Institutional Economics; Its Place in Political Economy</i>, Library of Congress, 1989.</li> <li>- <b>Thorstein Veblen:</b> <i>The Place of Science in Modern Civilization</i>, Cosimo Classics, 2007.</li> <li>- <b>Ha Joon Chang:</b> <i>The Political Economy of Industrial Policy</i>, Macmillan Press, 1996.</li> <li>- <b>John Kenneth Galbraith:</b> <i>The Affluent Society</i>, Library of Congress, 1998.</li> </ul>
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CURRICULUM IMPLEMENTATION PLAN			
Code and course title	Corporate Finance 23692 (BE115)		
Teacher	Ph.D. Dean Učkar, Full Professor Danijel Petrović, assistant		
Study program	Undergraduate University study "Applied Economics" (part-time study)		
Type of course	Elective	Course level	Undergraduate
Semester	Winter	Year of study	Third
Place of performance	On-line environment	Language	English
ECTS points	6	Number of hours per semester	30L – 0E - 30S
Prerequisites for enrollment and for mastering	There are no prerequisites for enrolling in the course.		
Correlation	Financial institutions and markets, Portfolio management		

Course objective	The course focuses on managing the return and risk to which a company is exposed in a modern financial environment. The aim of the course is for students to make a financially optimal decision according to the analysis of available sources of financing, as well as the relationship between return and risk of an individual security and portfolio, or analysis of real investments.				
Learning outcomes	<ol style="list-style-type: none"> <li>1. Compare different sources of company financing.</li> <li>2. Analyze the financial characteristics of different securities.</li> <li>3. Argued (through financial calculation) optimize the portfolio of company's financial assets.</li> <li>4. Argued (through financial calculation) decide on investment projects.</li> <li>5. Critically assess the impact of capital structure formation and dividend policy on company valuation.</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>13. Financial management decisions</li> <li>14. Contradiction of the company's business objectives</li> <li>15. Time value of money (single and multiple payments)</li> <li>16. Modern portfolio theory</li> <li>17. Capital Asset Pricing Model (CAPM)</li> <li>18. Systemic and non-systemic risk measures and methods of protection</li> <li>19. Valuation of securities with variable yield</li> <li>20. Valuation of fixed yield securities</li> <li>21. Optimization of the company's financial and capital structure</li> <li>22. Horizontal and vertical structure of company's balance sheet</li> <li>23. Theories of capital structure and dividend policy</li> <li>24. Capital investment valuation methods (capital budgeting)</li> <li>25. Characteristics of medium and short-term financing</li> </ol>				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum grade share (%)</b>
	Project assignment (precondition)	1 – 5	20	0,7	-
	Two written midterm exams or a final written exam	1 – 5	148	5,3	100%
	In total		168	6	100%
	<b>Additional clarifications (evaluation criteria):</b> In preparation for taking this course, the student has at his disposal digital literature in the form of a script, regular literature that can be obtained by mail from the university or faculty library, video lectures adapted to different world languages (via subtitles). All of these materials are available through the Moodle e-learning management system. The student can get a final grade based on the points and conditions collected during the course or can take the final written exam if he/she wants to improve the grade achieved or correct the grade for part of the material that he did not master during class. A student who received a final grade based on the points and conditions collected during the course is also required to register for the final exam in order to record the grade achieved. A positive grade from the project assignment is a prerequisite for taking the exam and getting the final grade.				



	<p>After selecting the project assignment, the professor will inform the students about the manner and form and deadlines for completing the project assignment.</p> <p>During the classes, two colloquia-midterm exams are written, which are not mutually conditioned, ie. access to the second colloquium is allowed even in the event that the first colloquium is not successfully passed. Non-attendance of colloquia-midterm exams is graded with 0%. A student who does not achieve a positive grade from both or one of the midterm exams is required to take the final written exam. If a student has achieved a grade from only one of the midterm exams, he/she corrects the grade from the midterm exam in the final written exam that he/she did not master during the course with the obligation to do so in a period of one academic year.</p> <p>To achieve a positive grade from the midterm exam, the student is required to achieve a minimum of 50% of the points provided for each of the midterm exams.</p> <p>The final grade is determined in the last week of classes, with the following cases possible:</p> <ol style="list-style-type: none"> <li>1. If a student has not met the prerequisite he/she cannot get a final grade. Upon fulfillment of the prescribed precondition, the options from case 2 or 3 will apply.</li> <li>2. If the student has fulfilled the prerequisite and achieved a grade from both midterm exams, he/she can get a final grade.</li> <li>3. If a student has met the prerequisite, but has not achieved a grade from both or one of the midterm exams, he/she is obliged to take the final written exam and correct the grade for the material he/she did not master during the course.</li> </ol> <p>To achieve the positive grade from the final written exam, the student is required to achieve a minimum of 50% of the points provided for the final written exam.</p> <p>Knowledge assessment will be done exclusively electronically in the online environment via the Moodle platform using the Safe exam browser (and additional platforms such as exam view, book widgets, remark test grading...), via online exams with student identity verification, with one-time solving of the test, protection of the test with a password, with a limited duration of the test, defined IP address, etc.</p> <p>The student may reject the final grade and is obliged to personally inform the professor at the time of consultation or at the time of recording the final grade. If the student rejects the final grade, he/she is obliged to take the final written exam and improve the achieved grade, whereby in each repeated case, only the last achieved points are recorded.</p>
Student obligations	<p>To pass the course, the student must:</p> <ol style="list-style-type: none"> <li>4. Complete the project assignment and submit it to the professor according to the published timeline.</li> <li>5. Pass the midterm exams during classes as part of a continuous knowledge testing or take the final written exam.</li> </ol>
Taking exam in front of the teachers' committee	The exam in front of the teachers' committee (eighth time) is taken under the same conditions as the final written exam.
Exam and colloquium deadlines	They are published through the ISVU system, and on the course e-learning page.
Other important facts related to the course	<p>Students are obliged to respect the principles of academic integrity.</p> <p>The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.</p>



	Applications and cancellations of final exams are made in accordance with the Regulations on studying at the Juraj Dobrila University of Pula.
Weekly schedule of online activities	<ol style="list-style-type: none"> <li>1. week - Study of PowerPoint presentations, textbooks and digital scripts, and viewing video lectures related to the subject of finance and business goals of the company, and the time value of money. Estimation of time load: 20 hours.</li> <li>2. week - Study of PowerPoint presentations, textbooks and digital scripts, and viewing video lectures related to the portfolio theory of MPT and CAPM. Estimation of time load: 35 hours.</li> <li>3. week - Study of PowerPoint presentations, textbooks and digital scripts, and viewing video lectures related to long-term and medium-term financing of companies. Finishing and submission of project assignment. Estimation of time load: 40 hours.</li> <li>4. week - Study of PowerPoint presentations, textbooks and digital scripts, and viewing video lectures related to the analysis of capital projects. Estimation of time load: 40 hours.</li> <li>5. week - Studying PowerPoint presentations, textbooks and digital scripts, and viewing video lectures related to short-term corporate financing. Estimated time load: 33 hours.</li> </ol>
Literature	<p>Required:</p> <ol style="list-style-type: none"> <li>1. Ross, S.A.; Westerfield, R.W.; Jaffe, J.F.; Jordan, B.D.: <i>Corporate Finance – Core Principles &amp; Applications</i>, McGraw-Hill/Irwin, New York, 2007 (selected chapters covering 400 pages). Related to learning outcomes 1 – 5.</li> <li>2. Ross, S.A.; Westerfield, R.W.; Jaffe, J.: <i>Corporate Finance</i>, seventh edition, McGraw-Hill/Irwin, New York, 2005 (selected chapters covering 430 pages). Related to learning outcomes 1 – 5.</li> <li>3. Online materials in the form of video lectures that are constantly available on the online platform, and have the ability to view in multiple world languages (via subtitles). Related to learning outcomes 1 – 5.</li> <li>4. Script created for the needs of the course by the lecturer located on the course e-learning page. Related to learning outcomes 1 – 5.</li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li>1. Myers, S.C.; Brealey, R.A.: <i>Principles of Corporate Finance</i>, seventh edition, McGraw-Hill, New York, 2003.</li> </ol>

### CURRICULUM IMPLEMENTATION PLAN

Course unit code and title	(172260) (BE 118) Management
Name of instructors	<u>Prof.dr.sc. Marli Gonan Božac</u> (Course holder) Izv. prof. dr. <u>sc. Morena Paulišić</u>
Study programme (part-time)	<b>Undergraduate study programme</b>

	Business economics (mandatory): Financial management, Marketing management, Management and entrepreneurship, Information management, Tourism Economics (elective)				
Course status	Mandatory, elective	Study programme	Undergraduate		
Semester	Winter	Year	III.		
Place	On-line environment	Language	Croatian		
ECTS students workload	6	Number of hours per semester	16P-0V-4S		
Requirements	There are no prerequisites for enrolment. Mastering the course starts from the already acquired knowledge in the previous semesters of Business Economics.				
Correlativity	Organization (II year)				
Course objectives	Adopt competencies to apply management functions.				
Learning outcomes	10. Explain and interpret management as a science and art through a processing and systematic approach. 11. Interpret the scientific discipline of management through its approaches. 12. Apply managerial functions to solve practical problems at different organizational levels and in different organizations.				
Course content (list of topics)	<ul style="list-style-type: none"> <li>• Management, managers and managing</li> <li>• The evolution of management thoughts</li> <li>• The Environment of Management</li> <li>• Planning</li> <li>• Strategic management</li> <li>• Organizing. Managing Organizational Structure</li> <li>• Managing organizational culture</li> <li>• Human resources management</li> <li>• Motivation</li> <li>• Leading and leadership</li> <li>• Organizational Control. Controlling</li> </ul>				
Planned activities, Learning, teaching and evaluation methods	REQUIREMENTS	LEARNING OUTCOMES	HOURS (estimation)	SHARE IN ECTS	SHARE IN GRADE
	Class attendance and participation	1-3	14	0.5	10%
	Project	1-3	22.4	0.8	10%
	Short business cases analysis	1-3	14	0.5	15%
	Written Exam	1-3	117.6	4.2	65%
	<b>Total</b>			<b>168</b>	<b>6</b>
	Additional clarifications (evaluation criteria): The student has available digital literature in the form of a digital book, classical literature that can be obtained by mail from the university or faculty library,				

	<p>video lectures that are adapted (subheadings) to different world languages. All of these materials are available through the Moodle learning management system.</p> <p><b>Class attendance and participation</b> that interprets and directs students to key aspects in order to study course units more effectively and efficiently. The lectures are interactive. Each student is invited to participate to a minimum of 9 of the total number of lectures held. The share in the assessment is proportional to the number of attendance and activities in the teaching process. The maximum share in the grade is 10%.</p> <p><b>The analysis of short business cases</b> is carried out in terms of seminar teaching, especially defined in the detailed curriculum. Teamwork requires independent preparation and it must be done in a given period, based on available information and working conditions. The work result is evaluated and there is no possibility of repetition. Students are required to analyze at least two of the three short business cases. Each brings a maximum of 5% of the grade. Maximum share in the grade is 15%.</p> <p><b>Project</b> - a team of up to four students at a specific company is working on the project. The paper has to be submitted in writing no later than two weeks before the end of the semester, and the selected projects are presented in the last two weeks of classes. Work submitted after the deadline will not be considered. The paper must be positively evaluated in order to have a proportional share in the evaluation. The maximum share in the grade is 10%. In order to take the <b>written exam</b>, it is necessary to have an achievement on each one of the requirements, so no activity can be graded with a final 0%. The written exam must be positively graded (min. 50%) to calculate the final grade.</p> <p>Knowledge assessment will be done exclusively electronically in an online environment on the Moodle platform using a safe exam browser (and additional platforms such as exam view, book widgets, remark test grading...), through online exams with student identity confirmation, as a one-time test, password protection of the test, with a limited time, defined IP address, etc.</p> <p>According to the <b>Code of evaluation</b> the final grade is obtained as follows:</p> <p>89 – 100% Excellent, 5 (A)          76 – 88% Very good, 4 (B)          63 – 75% Good, 3 (C)          50 – 62% Sufficient, 2 (D)</p>
To meet the requirements of this course students have to:	<ol style="list-style-type: none"> <li>1. attend and actively participate in the classes</li> <li>2. make short business cases during seminar classes</li> <li>3. make and, according to the teacher's proposal, present the project during the class</li> <li>4. pass a written exam.</li> </ol>
Exam deadlines	ISVU
Weekly schedule of online activities	<ol style="list-style-type: none"> <li>1. Week 1 - Class attendance and participation: Definition of Management and Management Theory. Introduction to the project. Exam preparation. Estimated time load: 33 hours</li> <li>2. Week 2 - Attendance and activity in teaching: Management environment and Planning. Project work. Short business case assignment and analysis. Exam preparation. Estimated time load: 33 hours</li> <li>3. Week 3 - Class attendance and participation: Strategic Management. Organizing. Organizational culture. Project work. Short business case assignment and analysis. Exam preparation. Estimated time load: 33 hours</li> </ol>

	<p>4. Week 4 - Class attendance and participation: Motivation. Human resource management. Project work. Short business case assignment and analysis. Exam preparation. Estimated time load: 33 hours</p> <p>5. Week 5 - Class attendance and participation: Leadership and leadership. Control. Project work. Exam preparation. Estimated time load: 36 hours</p>
<p>Additional information on the course</p>	<p>1. Curriculum for full-time study, detailed curriculum, lecture materials, notices and exam results are published on e-learning.</p> <p>2. If a student does not notify the teacher by e-mail within 24 hours of the publication of the exam results that he / she does not accept the grade, it will be considered that the grade has been accepted and therefore will be entered in the Teacher's Portal.</p> <p>3. In case of distance learning, deviation is possible in:</p> <ul style="list-style-type: none"> <li>- place of course</li> <li>- implementation of activities, methods of interpretation and teaching and methods of evaluation</li> <li>- student obligations</li> <li>- available literature.</li> </ul> <p>The course leader and the assistant will inform the students about this when the distance learning starts. Learning outcomes remain unchanged.</p>
<p>Bibliography</p>	<p>Mandatory:</p> <p>Sikavica, P., Bahtijarević Šiber, F., Pološki Vokić, N. (2007). <u>Temelji menadžmenta</u>, Školska knjiga, Zagreb (pg. 1 - 198; 205 – 216; 227 – 457; 753- 841)</p> <p>Rupčić, N. (2018). <u>Suvremeni menadžment</u>, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka (pg. 233 - 309) <a href="https://www.efri.uniri.hr/upload/Suvremeni%20menadzment%20-%20teorija%20i%20praksa%20E-Izdanje.pdf">https://www.efri.uniri.hr/upload/Suvremeni%20menadzment%20-%20teorija%20i%20praksa%20E-Izdanje.pdf</a>,</p> <p>Jones, G. R., George, J. M. (2020) Contemporary management, 11<sup>th</sup> Edition, McGraw-Hil (ch. 1, 2 ,4, 5 ,6, 8, 10, 11, 12, 13, 14)</p> <p>On-line materials available on the online platform 24 hours</p> <p>Additional bibliography ON-LINE SOURCES, WEB PAGES OF COMPANIES AND INSTITUTIONS AS WELL AS OTHER PROFESSIONAL AND SCIENTIFIC SOURCES ACCORDING TO THE TEACHER'S RECOMMENDATION</p>

CURRICULUM IMPLEMENTATION PLAN	
Code and course title	Tourism destination
Teacher	prof. dr. sc. Danijela Križman Pavlović
Study program	Undergraduate study program in Applied Economics

Type of course	Elective	Course level	Undergraduate study program		
Semester	Winter	Year of study	III		
Place of performance	On-line	Language	English		
ECTS points	6	Number of hours per semester	60 (30 L, 30 S)		
Prerequisites for enrollment and for mastering	-				
Correlation	Tourism economics				
Course objective	The aim of this course is to enable students to: <ul style="list-style-type: none"> <li>- Understand and differentiate between basic concepts related to tourism destination and (marketing) managing tourism destination</li> <li>- Design and implement tourism destination management process</li> </ul>				
Learning outcomes	<ol style="list-style-type: none"> <li>1. Properly define basic concepts related to tourism destination and (marketing) managing tourism destination</li> <li>2. Identify the type of tourism destination</li> <li>3. Assess attractiveness of tourism destination and its image</li> <li>4. Generate tourism destination management process</li> </ol>				
Course content	<ol style="list-style-type: none"> <li>1. Explanation, the origin and meaning of the term tourism destination</li> <li>2. Tourism destination as a system</li> <li>3. Tourism destination types</li> <li>4. Tourism destination development models</li> <li>5. Contemporary relationship between tourists and tourism destination</li> <li>6. Tourism destination and marketing implications</li> <li>7. Tourism destination attractiveness</li> <li>8. Tourism destination image</li> <li>9. Selection of tourism destination in the context of tourists behaving as consumers</li> <li>10. Tourism destination branding</li> <li>11. Managing tourism destination (process)</li> <li>12. Role of marketing in developing sustainable tourism destination</li> </ol>				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obveze</b>	<b>Ishodi</b>	<b>Sati</b>	<b>ECTS</b>	<b>Maksimalni udio u ocjeni (%)</b>
	Class attendance (L, S)	1-4	45	1,6	10
	Exercises (research)	2,3,4	45	1,6	40
	Written Exam	1-4	78	2,8	50
	<b>Total</b>		<b>168</b>	<b>6</b>	<b>100</b>
	Additional explanations (evaluation criteria): Student prepares for this course based on the available digital literature (digital books and script) and standard literature that can be obtained via mail from University, i.e. Faculty library. All materials are available via learning management system „Moodle“. Students must attend classes, and design and present three assignments. Upon completion of the semester, once students met their obligations, passed exams, follows the assessment of the <b>overall grade student earned during the classes</b> , all in accordance with the European credit transfer system. Students' final grade is assigned based on the following Formula:				



	<p align="center"><b>GRADE=10% attendance+ 40% assignment grade + 50% exam</b></p> <p>Whereby:</p> <p>In order to achieve positive grade for this course student must pass the written exam.</p> <p>Knowledge assessments will be performed via the electronic form in an online environment utilizing platform moodle and by using safe exam browser, (as well as additional platforms, such as exam view, book widgets, remark test grading,...), via online exam based on verification of student identity, as one time taking of the exam, using a username to access the exam, under limited time, defined IP address and similar.</p>
<p>Student obligations</p>	<p>To pass the course, a student must (what and until when*): Attend at least 60% of the lectures and seminar classes. If students miss more than 40% of the lessons, they will be denied a signature, taking an exam, and registering credits.</p> <ol style="list-style-type: none"> <li>1. Write and present three mandatory assignments. If students fail to do so, i.e. realize this, they will be denied a signature, taking exam and registering credits.</li> <li>2. Pass the writted exam in an on-line environment.</li> </ol>
<p>Exam and colloquium deadlines</p>	<p>Get published at the beginning of the academic year on Internet pages of FET and ISVU.</p>
<p>Weekly schedule of online activities</p>	<ol style="list-style-type: none"> <li>13. Week – Studying and reviewing PowerPoint presentations and digital books related to Explanation, origin, and the meaning of the term tourism destination; Tourism destination as a system; Typologies of Tourism destinations. Estimated time needed: 15 hours.</li> <li>14. Week – Studying and reviewing PowerPoint presentations and digital books related to Tourism destination development; Modern relationship between tourists and tourism destination; Tourism destination and marketing implications. Estimated time needed: 20 hours.</li> <li>15. Week – Studying and reviewing PowerPoint presentations and digital books related to Tourism Destination attractiveness; Tourism destination image; Choice of tourism destination in the context of tourists behaving like consumers. Design and presentation of the first assignment. Estimated time needed: 30 hours.</li> <li>16. Week – Studying and reviewing PowerPoint presentations and digital books related to the Tourism destination as a market brand. Design and presentation of the second assignment. Estimated time needed: 20 hours.</li> <li>17. Week – Studying and reviewing the PowerPoint presentation and digital book related to the Tourism destination marketing management (process); Role of Tourism destination marketing in the sustainable development of tourism destination. Design and presentation of the third assignment. Estimated time needed: 20 hours</li> <li>18. Preparations for the final exam. Estimated time needed: 63 hours.</li> </ol>
<p>Literature</p>	<p>Mandatory:</p> <ul style="list-style-type: none"> <li>- Križman Pavlović, D. (2008). Marketing turističke destinacije (Marketing Tourism Destination). Pula/Zagreb: Sveučilište Jurja Dobrića u Puli, Mikrorad d.o.o. – digital book. RElated to the Learning outcomes under number 1,2,3 and 4.</li> <li>- Križman Pavlović, D. Turistička destinacija – teaching materials published on e-learning, i.e. Moodle. Related to the Learning outcome under number 1, 2, 3 and 4.</li> </ul> <p>Additional:</p>

	<ul style="list-style-type: none"> <li>- Morrison, A. M. (2019) Marketing and Managing Tourism Destinations. 2nd Edition, London, New York: Routledge.</li> <li>- Sustainable Destination Branding and Marketing - Strategies for Tourism Development (2020). Sharma, A., Pulido-Fernández, J. I., Hassan, A. (eds.). UK: CABI.</li> </ul>
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CURRICULUM IMPLEMENTATION PLAN			
Course unit code			
Course unit title	Social network analysis		
GENERAL INFORMATION			
<b>Study programme</b>	Undergraduate study program in Economics	Year	III
<b>Director of the course and assistant</b>	Goran Matošević, Phd Email: goran.matoševic@unipu.hr		
<b>Course status<sup>9</sup></b>	Mandatory	X	Elective
Credits allocated and type of lectures			
	Winter semester	Summer semester	
<b>ECTS students workload</b>	6		
<b>Number of hours per semester</b>	(30L+15S+15E)		
Course objectives, teaching and learning methods and learning outcomes			
<p>The aim of the course is to explain the basic concepts and features of social networks and to introduce students to tools for analyzing online social networks in order to obtain useful data to support decision-making.</p> <p>Learning outcomes are following:</p> <ul style="list-style-type: none"> <li>13. Explain the basic concepts of social networks</li> <li>14. Differentiate social network methods and metrics</li> <li>15. Master the basic techniques of online social media analysis.</li> </ul>			
Requirements, correspondence and correlativity			
<b>Requirements:</b> none			
<b>Correspondence or Correlativity:</b> Informatics			
<b>Course content</b> (list of topics)			
<ul style="list-style-type: none"> <li>• Data science (introduction to databases and repositories, semi-structured and unstructured data)</li> <li>• Graph theory (directional and weight graphs)</li> <li>• Social networks (nodes and connections, parts of the network)</li> <li>• Methods and metrics of social network analysis (degree of node, centrality of node)</li> <li>• Link analysis (PageRank, HITS)</li> <li>• Online social networks</li> </ul>			

- Sentiment analysis
- Software solutions for social network analysis

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	Exercises	<b>Individual tasks</b>	<b>Multimedia and internet</b>
Distance learning	Counseling	<b>Laboratory</b>	Tutorial	Fieldwork

**Student requirements**

1. Prepare and present a seminar paper graded with a minimum of 10 points
2. Create a project task evaluated with a minimum of 15 points
3. Pass the written exam with a minimum of 15 points

**Assessment and evaluation of students (mark in bold)**

<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	Oral exam	Essay	Research
Project	<b>Continuous assessment</b>	Report	<b>Practical work</b>

**Assessment breakdown within the *European credit transfer system***

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance and participation		1-3	1	20%
Project		3	2	30%
Seminar Paper		1	1	20%
Written Exam		1-3	2	30%
<b>Total</b>			6	100%

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)  
 B = 80 – 89,9% 4 (very good)  
 C = 70 – 79,9% 3 (good)  
 D = 50 – 69,9% 2 (sufficient)

**Bibliography**
**Mandatory bibliography**

11. Scot, J: **Social Network Analysis**, Sage Publications Ltd; 4 edition, 2017..

**Additional bibliography**

1. Borgatti, S; Everett, M; Johnson, J: **Analyzing social networks**, Sage Publications Ltd; 2nd edition, 2018.
2. Russell, M; Klassen, M: **Mining the Social Web: Data Mining Facebook, Twitter, LinkedIn, Instagram, Github, and More**, OREILLY MEDIA 3rd edition, 2018.
3. Luke, D: **A User's Guide to Network Analysis in R**, Springer, 2015

**Additional information on the course**

**CURRICULUM IMPLEMENTATION PLAN**

Course unit code				
Course unit title	ECONOMETRICS			
GENERAL INFORMATION				
<b>Study programme</b>	Undergraduate study program in Economics	Year	III	
<b>Director of the course and assistant</b>	Alen Belullo, Phd Associate Professor of Economics Email: <a href="mailto:abelul@unipu.hr">abelul@unipu.hr</a>			
<b>Course status<sup>10</sup></b>	X	Mandatory		<b>Elective</b>
Credits allocated and type of lectures				
		Winter semester	Summer semester	
<b>ECTS students workload</b>			6	
<b>Number of hours per semester</b>			<b>(30L+30S)</b>	
Course objectives, teaching and learning methods and learning outcomes				
<p>The aim of the course is to provide students an insight into empirical methodology for analyzing economic data using econometric software.</p> <p>Learning outcomes are following:</p> <ol style="list-style-type: none"> <li>1. apply the correct econometric method for the analysis of economic data</li> <li>2. correctly interpret the obtained results</li> <li>3. master the proper use of econometric software.</li> </ol>				
Requirements, correspondence and correlativity				
<p><b>Requirements:</b> Statistics, Mathematics</p> <p><b>Correspondence or Correlativity:</b> Econometrics 2, Time Series Analysis</p>				
<b>Course content</b> (list of topics)				
<ul style="list-style-type: none"> <li>• The Nature of Regression Analysis</li> <li>• Two Variable Regression Model</li> <li>• Classical Normal Linear Regression Model</li> <li>• Interval Estimation and Hypothesis Testing</li> <li>• Multiple Regression Analysis</li> <li>• Regression on Dummy variables</li> <li>• Multicollinearity</li> <li>• Heteroscedasticity</li> <li>• Autocorrelation</li> </ul>				
<b>Modes of instruction and acquiring knowledge</b> (mark in bold)				
Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	<b>Counseling</b>	Laboratory	Tutorial	Fieldwork

<b>Student requirements</b>				
Assessment and evaluation of students ( <b>mark in bold</b> )				
<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work	
<b>Written exam</b>	<b>Oral exam</b>	Essay	Research	
Project	<b>Continuous assessment</b>	Report	Practical work	
<b>Assessment breakdown within the <i>European credit transfer system</i></b>				
REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance at classes and seminars	45	1-2	1.6	10%
Continuous Assessment	28	1-2	1	20%
Seminar Paper/ Research	67	1-3	2.4	30%
Written Exam	28	1-3	1	40%
<b>Total</b>	168		6	100%
<p>According to the <i>Code of evaluation</i> the final grade is obtained as follows:</p> <p>A = 90 – 100% 5 (excellent)                      B = 80 – 89,9% 4 (very good)                      C = 70 – 79,9% 3 (good)                      D = 50 – 69,9% 2 (sufficient)</p> <p><b>Attendance at classes and seminars:</b>                      The student gets% of share in grade depending on% how many times he was present in online classes. The student is expected to be actively involved in the discussion during the online lecture and presentation of seminar papers. Attendance is checked via a code scan in Moodle.</p> <p><b>Continuous Assesment:</b>                      In order to motivate continuous learning of students to make it easier to follow the material in lectures, 2 short unannounced tests (10% each) will be organized in online environments on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address.                      Independent task.</p> <p><b>Seminar Paper/Research:</b>                      An independent assignment consists of a written assignment. Papers must be in written form; the student must apply the correct research method and correctly interpret the results obtained. The written part of the independent task brings a maximum of 20% of share in grade and is submitted for evaluation in the Moodle system. The student must prepare a power point presentation and present it online in front of the whole class. By presenting an independent task, the student achieves up to a maximum of 10% of share in grade.</p> <p><b>Written exam:</b>                      Student writes a written exam consisting of a theoretical part that brings 10% share in grade and practical solving of one task in Gretl that brings 30% share in grade The written exam is solved in an online environment, on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address.</p> <p>At the end of the semester, the student's overall performance during classes is assessed, according to the European Credit Transfer System.</p> <p>A student who does not achieve 50% of share in grade through activities during classes can pass the exam through the final exam, whereby the percentages of activities that he may have achieved during classes are deleted.</p>				



Passed the final exam is considered a test in which the student has achieved at least 50% of the total number of points.

### **Student obligations**

To pass the course, the student must:

1. Continuously learn and prepare for mini-tests
2. Make a written assignment and present it to the class
3. Pass the colloquium or final exam

### **Weekly schedule of online activities**

Week 1 - Study and review of digital scripts, power point presentations and books related to Introduction to Econometrics, repetition of basic concepts in statistics and matrix linear algebra and mathematical simulations. Estimation of time workload 20 hours.

Week 2 - Studying the literature, reviewing video-lectures and power point presentations related to the classical linear regression mode, the problem of parameter estimation and hypothesis testing. Estimation of time workload 20 hours.

Week 3 - Literature study, video review and power point presentations related to linear regression problems: autocorrelations of deviation, multicollinearity and heteroskedasticity. Workoad estimate 20 hours.

Week 4 - Study the literature, browse online video solving tasks in the Gretl econometric software, solve all tasks independently online. Workoad estimation. 20 hours.

Week 5 - Study the literature, collect data and analyze them in the econometric software Gretl for seminar work; write a seminar paper, prepare a presentation and present the same online to the class. Workoad estimate 35 hours.

Week 6 - Preparation for the theoretical and practical part of the colloquium or final exam. Estimation of time workload 53 hours.

### **Bibliography**

#### **Mandatory bibliography**

1. Online video materials developed by the course director in the form of problem solving in econometric software Gretl on the online platform 24 hours a day, related to the learning outcome 1 and 3.
2. On-line materials developed by the course director in the form of video lectures that are available on the online platform 24 hours related to learning outcomes 1 and 2.
3. Digital scripts created for the needs of the course by the lecturers that are available on the e-learning of Moodle related to learning outcomes 1 and 2.
4. Exercise tasks developed by the course director available on the Moodle e-learning platform, related to outcome 3
5. Gujarati, D., Basic Econometrics, McGraw-Hill Higher Sixth ed., 2009 related to learning outcomes 1 and 2
6. Wooldridge, J., Introductory Econometrics: A Modern Approach, Fifth ed., South-Western Pub., 2012, related to learning outcome 1 and 2

#### **Additional bibliography**

1. Baltagi H., Econometrics, Springer Texts in Business and Economics, Fifth ed., 2011
2. Verbeek, M., A Guide to Modern Econometrics, Second ed., John Wiley & sons, West Sussex, England, 2005

#### **Additional information on the course**



**CURRICULUM IMPLEMENTATION PLAN**

Course unit code			
Course unit title	DEVELOPMENT ECONOMICS		
GENERAL INFORMATION			
Study programme	Undergraduate Study Program in Economics and Business Economics (on-line study)	Year	III
Director of the course and assistant	Kristina Afrić Rakitovac, Phd Associate Professor of Economics Email: <a href="mailto:kafric@unipu.hr">kafric@unipu.hr</a>		
Course status <sup>11</sup>	x	Mandatory	Elective
Place of teaching		On-line study	Language English
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload			6
Number of hours per semester			60 (30L + 30S)
Course objectives, teaching and learning methods and learning outcomes			
<p>The course objectives are to enable students to understand the paradigms of economic development, interpret the state and dynamics of economic change, critically consider and critically analyze the economic structure, economic system and economic policy at the global, national and regional levels and judge the interdependence of modern economy, society and environment from theoretical to empirical examples, at the global, national, regional and local levels.</p> <p>The course involves regular lectures, visiting lectures, counseling and continuous assessment tools while students are obliged to (1) attend 60% of lectures/seminars, (2) write and present individual task (essay/seminar paper/critical assessment), (3) pass final exam.</p> <p>Learning outcomes for this course are following:</p> <ol style="list-style-type: none"> <li>1. Understand the different theoretical paradigms of economic development.</li> <li>2. Assess the role and importance of various factors of economic development.</li> <li>3. Critically consider the process of economic development of different levels of development.</li> <li>4. Interpret ways to measure the growth, development and competitiveness of the economy.</li> <li>5. Analyze and review the cause-and-effect relationships of the impact of economic development on the state of the environment and social relations at the global, national, regional and local levels</li> <li>6. Critically consider the role of institutions and sectoral policies in fostering economic development.</li> </ol>			
Requirements, correspondence and correlativity			
Some basic knowledge of Economics is preferable but not mandatory. Course Introduction to Economics or Economics 101 is also preferable. Correlativity: Introduction to Economics, Macroeconomics, Institutional Economics.			
<b>Course content</b> (list of topics)			
<p>The course will focus on the following topics:</p> <ol style="list-style-type: none"> <li>1. Principles, theories and models of economic development</li> <li>2. Factors of economic development (demographic capital, natural resources, national wealth, production capital, technical and technological progress, entrepreneurship)</li> </ol>			

3. Growth and development indicators
4. Economic competitiveness indicators
5. Interdependence of economy, society and environment
6. The role of institutions in fostering economic development
7. The role of sectoral policies in national economic development (especially education and science policies and employment and labor policies)

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**
**Assessment and evaluation of students (mark in bold)**

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	28	1-6	1,0	10%
Continuous Assessment and Seminar	56	1-6	2,0	30%
Written Exam	84	1-6	3,0	60%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of a seminar paper, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.

Students are required to write individually a seminar paper that has the characteristics of a critical review. The topic is assigned by the professor; the student **must** fulfill this obligation and submit the work in word format for assessment and confirmation of quality. The quantity of the paper is defined as a maximum of 2000 words. Based on the quality of the written work, the student achieves up to 30% share in the final grade:

- if the student in the paper covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 16-30%; if he/she partially covered the proposed topic in the paper, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-15% share in the grade.

Continuous assessment:

On-line colloquium I - covers topics 1-5 (max. 30% of grade)  
 On-line colloquium II - covers topics 6-10 (max. 30% grade).  
 Succession on the colloquium is considered when the student has achieved at least 50% of the total number of points (in each colloquium). The student must pass the material from both colloquia in order for them to be recognized as equivalent to the final written exam. In agreement with the students, it is possible to divide the course content in more than two colloquia. Writing the colloquia is not obligatory.

The final grade is obtained by summing the achieved percentages in seminars, activities in on-line classes and both colloquia as the equivalent of a written exam. The student takes the final on-line written exam in case he/she: (1) does not pass one of the colloquia, (2) does not pass any of the colloquia, (3) is not satisfied with the achieved grade, (4) wants to take the final written exam. At the final written exam, the student takes the equivalent of both colloquia that he did not pass during class. At the final written exam, the student can achieve 60% of the grade, and the exam is graded as positive if the student has achieved at least 50% of the total number of points.

Passed colloquia, essay paper and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### **Student obligations**

To pass the course, a student must:

1. Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class
2. Prepare an essay paper with an emphasis on the critical aspect according to the instructions (submitted work is an obligatory condition for taking the final exam)
3. Attend on-line colloquia or final on-line written exam

#### **Exam and colloquium deadlines**

Listed at the beginning of the academic year on the FET and ISVU websites.

#### **Weekly schedule of on-line activities**

Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-2 (estimated time load: 15 hours)

Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 3-4 (estimated time load: 15 hours)

Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 5-6 (estimated time load: 15 hours)

Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 7 and writing a given independent essay (estimated time load: 15 hours)

Week 5: Studying and writing a seminar paper (estimation of time load: 22 hours)

Week 6: Preparation for the final on-line written exam (estimated time load: 84 hours)

#### **Bibliography**

##### **Mandatory bibliography**

1. Todaro, M. P., Smith, S. C. (2014): Economic Development, 12th edition, The Pearson Series in Economics. (correlation with learning outcomes: 1-6)
2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-6)

##### **Additional bibliography**

1. Acemoglu, D.; Robinson, J.A. (2013): Why Nations Fail: The Origins of Power, Prosperity, and Poverty, Currency
2. Henry, C.; Rockström, J. Stern, N. (ed.) (2020) Standing up for a Sustainable World - Voices of Change, Edvard Elgar

**Additional information on the course**

Any available literature that deals with topics in development economics can be used alternatively.

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.

Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.

The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.

Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

**CURRICULUM IMPLEMENTATION PLAN**

Course unit code	46384 MTIP		
Course unit title	INTERNATIONAL MARKETS AND BUSINESS		
GENERAL INFORMATION			
Study programme	Undergraduate Study Program in Applied Economics (on-line study)	Year	III
Director of the course and assistant	Daniel Tomić, Phd Associate Professor of Economics Email: dtomic@unipu.hr		
Course status <sup>12</sup>	Mandatory	x	Elective
Place of teaching	On-line study	Language	English
Credits allocated and type of lectures			
	Winter semester	Summer semester	
ECTS students workload		6	
Number of hours per semester		60 (30L + 30S)	
Course objectives, teaching and learning methods and learning outcomes			
<p>The aim of the course is to acquaint students with the international aspect of business (opportunities and risks that occur in globalized conditions) and thus give them a view of the economy as an area determined by international trends, conditions and agreements.</p> <p>Learning outcomes for this course are following:</p> <ol style="list-style-type: none"> <li>1. Understand the importance, operation and effects of international business in a globalized environment, and review all aspects of the relationship between globalization and international business.</li> <li>2. Define, classify and explain all the factors that determine international business processes.</li> <li>3. Analyze individual mechanisms of international business, identify the instruments of their management and compare their consequences at different geographical, economic and institutional levels.</li> <li>4. Consider different opportunities and ways of entering international markets, while exploring best modalities, strategies and practices, and the risks of exiting national business frameworks.</li> </ol>			

5. Assess the advantages and disadvantages of international business by observing relevant factors such as the diversity of cultural, legal and socio-economic aspects in order to clarify the importance of multidisciplinary approach in modeling international actions.
6. Through modern analysis tools such as case-studies, offer students a framework for consideration, discussion, or conclusion in cases if / when they find themselves in business circumstances at the international level in the future.

**Requirements, correspondence and correlativity**

Some basic knowledge of Economics is preferable. Course International economics is also preferable.  
 Correlativity: International Economics.

**Course content (list of topics)**

The course will focus on the following topics:

1. Globalization, foreign trade and international business.
2. Trends in global and regional trade.
3. International monetary and financial system.
4. Croatian system of foreign relations.
5. Competitiveness of the economy and enterprises.
6. Global strategic management and multinational companies.
7. Economic zones and unions.
8. Ways and means of entering foreign markets through exports and FDI.
9. Alternative ways of conquering the market; license, leasing, franchising.
10. Sales methods and specialized markets (fair, stock exchanges, futures contracts).
11. Prices and calculations in international trade.
12. Payment instruments in international exchange.
13. Business documents in international trade in goods.
14. Risks in foreign trade (causes, types, commodity and financial risks).
15. Trade customs, rules, conventions and norms.
16. Participants and the course of classic regular export and import operations.
17. Case-study of relevant global companies and their strategic moves.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**
**Assessment and evaluation of students (mark in bold)**

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	<b>Practical work</b>

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Seminar	25	1-3	0,9	15
Class Participation (and counseling for seminar)	22	1-3	0,8	5
Practical work – Case study	25	4-6	0,9	15
Class Participation (and counseling for case-study)	23	4-6	0,8	5
On-line colloquium I	36	1-6	1,3	30



On-line colloquium II	37	1-6	1,3	30
<b>Total</b>	168		6,0	100%

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

Students are required to make two independent papers individually. The first, seminar paper, is assigned by the professor, so that the student must write and submit it for examination by the professor who then grades up to a maximum of 15% of the total grade. For counseling about the seminar (discussion, questioning of ideas, etc.), an additional 5% of can be obtained during the academic year. The second, practical work - case-study, independently selects the student according to the suggestions from the professor. The paper is submitted to the professor for assessment, which is then graded up to a maximum of 15% of the total grade. For counseling about the case-study (discussion, questioning of ideas, etc.), an additional 5% of can be obtained during the academic year.

- if the student in the seminar covered all the necessary subtopics, used the proposed literature and wrote a quality paper that contains a critical aspect and economic reasoning achieves 11-15%; if in the paper he/she partially covered the proposed topic, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-10% of the grade;
- if the student in the case-study covered all the necessary subtopics, used the proposed literature and wrote a quality paper that contains a critical aspect and economic reasoning achieves 11-15%; if in the case-study he/she partially covered the proposed topic, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-10% of the grade.

Continuous assessment:

On-line colloquium I - covers topics 1-9 (max. 30% of grade)

On-line colloquium II - covers topics 10-17 (max. 30% grade).

Succession on the colloquium is considered when the student has achieved at least 50% of the total number of points (in each colloquium). The student must pass the material from both colloquia in order for them to be recognized as equivalent to the final written exam. In agreement with the students, it is possible to divide the course content in more than two colloquia. Writing the colloquia is not obligatory.

The final grade is obtained by summing the achieved percentages in seminar, case-study, activities in on-line classes and both colloquia as the equivalent of a written exam. The student takes the final on-line written exam in case he/she: (1) does not pass one of the colloquia, (2) does not pass any of the colloquia, (3) is not satisfied with the achieved grade, (4) wants to take the final written exam. At the final written exam, the student takes the equivalent of both colloquia that he did not pass during class. At the final written exam, the student can achieve 60% of the grade, and the exam is graded as positive if the student has achieved at least 50% of the total number of points.

Passed colloquia, seminar and case-study, and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### **Student obligations**

To pass the course, a student must:

1. Student should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of seminar and case-study, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class

2. Prepare seminar and case-study with an emphasis on the critical aspect according to the instructions (submitted works are obligatory conditions for taking the final exam)
3. Attend on-line colloquia or final on-line written exam
<b>Exam and colloquium deadlines</b>
Listed at the beginning of the academic year on the FET and ISVU websites.
<b>Weekly schedule of on-line activities</b>
Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-5 (estimated time load: 15 hours)
Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 6-10 (estimated time load: 15 hours)
Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 11-15 (estimated time load: 15 hours)
Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 16-17 and writing a given seminar (estimated time load: 15 hours)
Week 5: Studying and writing seminar and case-study (estimation of time load: 23 hours)
Week 6: Preparation for the final on-line written exam (estimated time load: 85 hours)
<b>Bibliography</b>
<b>Mandatory bibliography</b>
1. Paul, J. (2011): <i>International Business</i> , 5 <sup>th</sup> ed., PHI Learning, New Delhi. (correlation with learning outcomes: 1-6)
2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-6)
<b>Additional bibliography</b>
1. Rugman, A. M. (2009) <i>The Oxford Handbook of International Business</i> , Second Edition, Oxford Handbooks Online.
<b>Additional information on the course</b>
Any available literature that deals with topics in microeconomics can be used alternatively.
The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.
Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.
The commission exam, which the student takes for the 8 <sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.
Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

**CURRICULUM IMPLEMENTATION PLAN**

Course unit code	CORE ECON 109 NR		
Course unit title	National Accounting		
GENERAL INFORMATION			
Study programme	Undergraduate level, Applied Economics, Business economics	Year	1.
Director of the course and assistant	Professor Lorena Mošnja-Škare, PhD Assistant Professor Romina Pržiklas Družeta, PhD		

<b>Course status</b> <sup>13</sup>		Mandatory	<b>X</b>	Elective	
Credits allocated and type of lectures					
			Winter semester	Summer semester	
<b>ECTS students workload</b>			<b>6</b>		
<b>Number of hours per semester</b>			30L+30S		
<b>Course objectives, teaching and learning methods and learning outcomes</b>					
<p>The basic objective of this course is to introduce the student into the theory and methods of macroeconomic (national) accounting, their implementation and building of the set of national accounts as well as to enable the student to use the national accounting information for the purposes of macroeconomic analyses and macroeconomic management.</p> <p>After completion of the course and gained the scheduled number of credits the students will be able to:</p> <ol style="list-style-type: none"> <li>1) Describe the development process of national accounting</li> <li>2) Define and explain the basic concepts and macroeconomic categories in the system of national accounts</li> <li>3) Present and describe the structure of the national accounting system and to classify, group and interrelate the national accounts in the system</li> <li>4) Compare the methodologies of building the set of national accounts in different economic systems and according to the methodology required by European and international standard (ESA and SNA)</li> <li>5) Interpret the national accounts system of a given country</li> <li>6) Use the national accounts as the macroeconomic management systematic information basis, as well as the instrument for its success assessment, then as the basis of building the economic models, macroeconomic analysis and other purposes, applying and strengthening the student's analytical and presentation skills in the same time.</li> </ol>					
<b>Requirements, correspondence and correlativity</b>					
There's no specific requirements. Correspondence and correlativity: Macroeconomics (mandatory), Business Accounting (mandatory)					
<b>Course content (list of topics)</b>					
National accounting – definition, role, purposes. Macroaccounting and microaccounting. National accounts development in the economic theory. The system of national accounts development in market economies, planned, transitional economies, developing economies. Basic concepts for measurement of the country's economic activities, their results and economic position disclosure. National economy boundaries, institutional units and their groups. The types and groups of transactions, flows among the economic units, their balance and tracking. Current accounts. Accumulation accounts. Balance sheets. Input-output system. Integrated economic accounts. Social accounts matrix, satellite accounts. Building the system of national accounts under the UN methodology (SNA) and ESA. System of national accounts of Croatia/other country. Use of macroaccounting information for the purposes of macroeconomic management, public management, for analytical and prognostic purposes.					
<b>Modes of instruction and acquiring knowledge (mark in bold)</b>					

Lectures	Seminars and workshops	Exercises	Individual tasks	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**

The student is required to:

3. Prepare the seminar/scientific paper and its presentation, before the final exam
4. Prepare the individual task
5. Take tests/final exam.

The student can achieve max 35% share in grade for the seminar/scientific paper and its presentation:

- for basic topic analysis max. 25%
- for detailed topic analysis max. 35%

The student can achieve max 15% share in grade for the individual assignment – building the selected account under the SNA, its structure and use:

- for solved assignment with minor revision needed max. 10%
- for correct assignment max. 15%

The test requires at least 50% of points achieved.

Final grade consists of test's share in grade, seminar/scientific paper with presentation and individual assignment shares in grade.

At the final exam the student takes the test not accomplished earlier or to get better grade.

The test results are recognized for the final grade not longer than the end of the next academic year.

Final grade is determined as follows:

- 5 – 89 do 100%
- 4 – 76 do 88,9%
- 3 – 63 do 75,9%
- 2 – 50 do 62,9%

The tests and final exams take place under controlled environments.

**Assessment and evaluation of students (mark in bold)**

Attendance	Class participation	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	Essay	Research
<b>Project</b>	<b>Continuous assessment</b>	<b>Assignment</b>	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
SEMINAR/SCIENTIFIC PAPER WITH PRESENTATION	45	1 – 6	1,6	35%
ASSIGNMENT	63	3 – 6	2,2	15%
TEST	60	1 – 6	2,2	50%
TOTAL	168	1-6	6	100%

**Bibliography**
**Mandatory bibliography**

- OECD (2014): Understanding National Accounts, Second edition revised and expanded.

[https://read.oecd-ilibrary.org/economics/understanding-national-accounts\\_9789264214637-en#page7](https://read.oecd-ilibrary.org/economics/understanding-national-accounts_9789264214637-en#page7)  
 p.13-370, 437-450. (outcome 1-6)

or

REGULATION (EU) No 549/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 21 May 2013

on the European system of national and regional accounts in the European Union

<https://eur-lex.europa.eu/legal-content/HR/TXT/HTML/?uri=CELEX:02013R0549-20150824&from=EN>

chpt 1-9, 21

(outcome 2-6,)

Digital written, audio literature (lectures, ppt, working papers, links etc.) is available on e-learning platform: e-course National Accounting.

#### **Additional bibliography**

- Kendrick, J.W. (1996): The New System of National Accounts, Springer Link, USA, str. 1-190, str.317-341
- Usher, D.: National Accounting and Economic Theory, Vol. I, E. Elgar., 1994
- Shaikh, A.M. - Tonak, E.A.: Measuring the Wealth of Nations, the Political Economy of National Accounts, Cambridge University Press, Cambridge., 1994.
- Hoover, K. (2012): Applied Intermediate macroeconomics Cambridge, Cambridge University Press, str. 29-114
- Mankiw, N.G., Taylor, M. (2011): Economics; The data of Macroeconomics str. 485-570

Links:

- System of National Accounts 2008; European Commission, International Monetary Fund, Organisation for Economic Co-operation and Development, United Nations, World Bank; New York, 2009.

<https://unstats.un.org/unsd/nationalaccount/docs/SNA2008.pdf>

- EUROSTAT, EC: European system of accounts - ESA 2010,

Luxembourg: Publications Office of the European Union, 2013

[https://ec.europa.eu/eurostat/cache/metadata/Annexes/nasa\\_10\\_f\\_esms\\_an1.pdf](https://ec.europa.eu/eurostat/cache/metadata/Annexes/nasa_10_f_esms_an1.pdf)

<https://www.hnb.hr/statistika/statisticki-podaci>

- Eurostat National Accounts: <http://ec.europa.eu>

- OECD (2010b): National Accounts at a Glance; National Accounts Statistics (database)

<https://stats.oecd.org/Index.aspx?DataSetCode=NAAG>

- Integrated Macroeconomic accounts of the United States, Bureau of Economic Analysis, [www.bea.gov](http://www.bea.gov)

#### **Additional information on the course**

Information upon exam terms are available at FET website, and upon the test terms under e-course National Accounting at e-learning platform as well as all relevant notifications and information about this course.

Activities by week:

1. week - 5 hours of online lectures

- National accounting – definition, role, purposes. Macroaccounting and microaccounting.

- National accounts development in the economic theory.

- The system of national accounts development in market economies, planned, transitional economies, developing economies.

2. week - 5 hours of online lectures

- Basic concepts for measurement of the country's economic activities, their results and economic position disclosure.

- National economy boundaries, institutional units and their groups.

- The types and groups of transactions, flows among the economic units, their balance and tracking.

3. week - 5 hours of online lectures

- Current accounts.



-Accumulation accounts.

4.week - 5 hours of online lectures

-Balance sheets.

-Input-output system.

-Integrated economic accounts.

5.week - 5 hours of online lectures

-Social accounts matrix, satellite accounts.

-Building the system of national accounts under the UN methodology (SNA) and ESA.

6.week - 5 hours of online lectures

-System of national accounts of Croatia/other country.

-Use of macroaccounting information for the purposes of macroeconomic management, public management, for analytical and prognostic purposes.

Individual work for test 30 hours

Seminar/Scientific paper

with presentation 45 hours

Assignment 63 hours

### CURRICULUM IMPLEMENTATION PLAN

Course unit code	37665, BE225		
Course unit title	Auditing and business analysis		
GENERAL INFORMATION			
Study program	Financial management, undergraduate level	Year	3.
Director of the course and assistant	Professor Robert Zenzerović, PhD Lecturer Adriana Galant, PhD		
Course status <sup>14</sup>	Mandatory	X	Elective
Credits allocated and type of lectures			
	Winter semester	Summer semester	
ECTS students workload		6	
Number of hours per semester		30L+30S	
Course objectives, teaching and learning methods and learning outcomes			
Main objectives of the course are:			
<ol style="list-style-type: none"> <li>To train students to conduct basic activities of the audit of financial statements,</li> <li>Define the concept and describe the basic characteristics of certain types of audit and</li> <li>To enable students to carry out basic procedures of business analysis and interpretation of results derived</li> </ol>			
After completion of the course and gained the scheduled number of credits the students will be able to:			
<ol style="list-style-type: none"> <li>Define the concept, characteristics and types of audits and the importance and role of certain types of audits to make business decisions on a micro and macro level.</li> <li>Argue the economic and wider social significance of the audit.</li> <li>Carry out the basic phases of the process of financial statements auditing and the actions of which the individual phases consist.</li> </ol>			

4. Use basic audit techniques in performing financial statements audit.
5. Use proper techniques of business analysis in real business situations.

**Requirements, correspondence and correlativity**

The course is in tune and comparable to all similar courses taught at various universities that perform the programs in economy and business

**Course content (list of topics)**

- Theoretical basis and methodology of auditing, primarily the audit of financial statements and business analysis of companies.
- Overview of the auditing historical development, its role and importance in the modern business environment, and society at large.
- Audit regulations
- Principles and auditing standards.
- Audit strategies, audit phases and basic methods
- Audit techniques and procedures
- Types of audit opinions and auditor's responsibility.
- Analytical methods.
- Analysis of financial results, revenues, expenditures, long-term and short-term assets, liabilities, capital, financial analysis of the situation, analysis of personnel, the analysis of specific business functions.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	<b>Multimedia and internet</b>
Distance learning	Counseling	Laboratory	<b>Tutorial</b>	Fieldwork

**Student requirements**

In order to apply to exam students have to pass the exam from Business accounting or similar course.

To pass the course, a student must (what and until when \*):

1. Create an independent task before taking the final exam,
2. Pass the test in the field of business analysis and
3. Pass the final exam in the field of auditing.

At the final exam, the student takes the equivalent of a test that he did not pass during class or from which he wants to achieve a better result.

**Assessment and evaluation of students (mark in bold)**

<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
Written exam	Oral exam	Essay	<b>Research</b>
Project	<b>Continuous assessment</b>	<b>Report</b>	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
SEMINAR PAPER/REPORT I.	28	1 – 4	1	20%
SEMINAR PAPER/REPORT II.	45	5	1,8	30%
FINAL EXAM	65	1 – 4	3,2	50%
TOTAL	168		6	100%

**Bibliography**
**Mandatory bibliography**

- Fridson, M, Alvarez, F.: Financial Statement Analysis: A Practitioner's Guide, John Wiley & Sons, New Jersey, 2011. (outcome 5)
- Arens, A.A. et.al.: Auditing and Assurance Services, 17E, Prentice Hall, Englewood Cliffs, N.Y., 2017. (outcomes 1-4)
- O'Reilly, V.M., McDonnell, P.J., Winograd, B.N., Gerson, J.S., Jaenicke, H.R.: Montgomery's Auditing, 12E, Wiley, 1998. (outcomes 1-4)
- Digital written, audio and video literature (lectures, ppt, examples, tests etc.) is available on e-learning platform: e-course Auditing and Business Analysis.

#### Additional bibliography

#### Additional information on the course

Appropriate literature in digital form is available to the student, while literature in printed form can be obtained by mail from the university library. For the purpose of repeating the material, students will have access to recorded online lectures and separate video materials that will deal with individual more complex thematic units. All materials are available to students through the Moodle e-learning platform.

Independent task 1. is assigned by the subject teacher / assistant, and consists of processing a certain topic in the form of an essay. The student presents it with 10% to a maximum of 20% success. In case of more serious deficiencies, the independent assignment is returned to the student for correction according to the given instructions.

Independent task 2 includes solving a problem task in the field of business analysis, which the student is obliged to make in writing and defend orally.

The student must pass the material from the final exam, which includes multiple choice questions and problem solving. Passed exam is considered an exam in which the student has achieved at least 50% of the total number of points. To be eligible for access to the final exam, a student must complete an independent assignment.

The assessment of the acquired knowledge will be performed exclusively electronically in the online environment using the Moodle platform with the provision of supervision using appropriate software solutions.

#### Activities by week:

1. Elaboration of topics: theoretical basis and methodology of auditing, review of the historical development of auditing, the role and meaning of auditing in the modern business environment, or, more broadly, in society, audit regulations - laws, regulations, principles and standards. Online teacher lecture. Independent use of additional available online materials and literature after classes. Estimation of student time load: 15 hours.
2. Elaboration of topics: audit strategies, stages of the audit process of financial statements, basic methods, techniques and procedures for conducting an audit necessary for the issuance of an audit opinion, types of audit opinion. Online teacher teaching and independent student assignments. Independent use of additional available online materials and literature after classes. Estimation of student time load: 15 hours.
3. Elaboration of topics: auditing methodologies of individual business cycles, ie accounts, specifics of auditing in certain activities and special forms of auditing. Online teacher lecture. Independent use of additional available online materials and literature after classes. Estimation of student time load: 25 hours.
4. Elaboration of topics: theoretical framework of analytical methods, analysis of financial result, income, expenses, long-term and short-term assets, liabilities and capital, analysis of financial condition. Online teacher lecture. Independent use of additional available online materials and literature after classes. Estimation of student time load: 20 hours.

5. Elaboration of topics: personnel analysis, analysis of individual business functions. Online teacher lecture. Independent use of additional available online materials and literature after classes. Estimation of student time load: 15 hours.
6. Preparation of independent assignments and preparation for the final exam. Estimation of student time load: 78 hours.

<b>CURRICULUM IMPLEMENTATION PLAN</b>			
Course unit code	<b>199265 (MP01)</b>		
Course unit title	<b>E-MARKETING</b>		
<b>GENERAL INFORMATION</b>			
<b>Study programme</b>	<b>Graduate Study Program in Economics (on-line study)</b>	Year	<b>III</b>
<b>Director of the course and assistant</b>	doc.dr.sc. Iva Slivar Sara Maga, mag.oec.		
<b>Course status<sup>15</sup></b>	Mandatory	<b>x</b>	Elective
<b>Place of teaching</b>	<b>On-line study</b>	<b>Language</b>	<b>English</b>
<b>Credits allocated and type of lectures</b>			
		<b>Winter semester</b>	Summer semester
<b>ECTS students workload</b>		<b>6</b>	
<b>Number of hours per semester</b>		<b>60 (30L + 30E)</b>	
<b>Course objectives, teaching and learning methods and learning outcomes</b>			
Adopt the basic concepts of e-marketing and e-business within Internet economies, define, delineate and explain e-marketing and e-business activities and examples as well as to conduct appropriate analyzes to plan, develop and implement e-marketing strategies.			
Learning outcomes for this course are following:			
<ol style="list-style-type: none"> <li>1. analyze the elements of the micro-environment and macro-environment and the e-marketing network and critically evaluate and analyze the overall activity of companies on the Internet;</li> <li>2. investigate the factors that influence the behavior of consumers on the Internet;</li> <li>3. critically analyze and interpret the results of research on the behavior of customers and users on the Internet, predict the behavior of customers and users on the Internet and recommend appropriate marketing decisions related to the behavior of customers on the Internet;</li> <li>4. by applying the acquired theoretical and factual knowledge, propose ways of adapting all elements of the marketing mix to the company's business on the Internet.</li> </ol>			
<b>Requirements, correspondence and correlativity</b>			
Requirements: None.			
Correlativity: Marketing, Marketing Communications Management, Customer Behavior, Product Marketing and Innovation, Customer Service Management - CRM, Digital Business and Social Network Analysis.			
<b>Course content (list of topics)</b>			
The course will focus on the following topics:			

1. Week 1 - Studying and reviewing video lectures and powerpoint presentations, and digital materials and books related to the concept and importance of information and communication technologies, user segmentation and their purchasing behavior in different markets. Estimation of time load: 15 hours.
2. Week 2 - Case studies, comparative analysis and discussion via the moodle platform. Studying and viewing video lectures and powerpoint presentations, and digital materials related to topics. Estimation of time load: 15 hours.
3. Week 3 - Study the literature and analyze the web pages. Studying and reviewing video lectures and powerpoint presentations related to the formulation and management of e-marketing strategy and key success factors of websites. Estimation of time load: 15 hours.
4. Week 4 - Creating a task. Studying and viewing video lectures and powerpoint presentations, as well as digital materials and books related to the e-marketing mix (SEM, advertising, social networks, etc.). Estimation of time load: 15 hours.
5. Week 5 - Study the literature and ad hoc assignments. Studying and viewing video lectures and powerpoint presentations and books related to web analytics, VR, AR, mobile and proximity marketing, and trends in e-marketing. Estimation of time load: 23 hours.
6. Week 6: Preparation for the final exam. Estimated time load: 85 hours.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	Exercises	<b>Individual tasks</b>	<b>Multimedia and internet</b>
<b>Distance learning</b>	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**

 Assessment and evaluation of students (**mark in bold**)

Attendance	<b>Class participation</b>	Seminar paper	<b>Experimental work</b>
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation ( <i>ad hoc</i> exercises)	45	1-4	1,6	15%
Written exercises (project assignment and its presentation)	38	1-4	1,4	35%
Written exam	85	1-4	3,0	50%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

To prepare for this course, the student has available digital literature in the form of digital presentations and case studies and classical literature that can be obtained by mail from the university or faculty library, video lectures adapted to (subtitle) different world languages. All of these materials are available through the moodle learning management system.

The student is obliged to create and submit a written paper (website / e-newsletter).

The student has the option of taking two colloquia (a student who achieves an average of more than 50% of points in the colloquium may be exempted from writing the final exam).

At the end of the semester, fulfilled student obligations, completed colloquia, the overall student performance during classes is assessed, according to the European Credit Transfer System.

The final grade of the student is determined according to the following formula:



GRADE = 50% written work + 50% colloquium (two colloquia) or exam

In order to achieve a positive grade in the course, a student must pass both colloquia with a positive grade or pass a written exam.

Knowledge assessment will be done exclusively electronically in an online environment on the moodle platform using a safe exam browser (and additional platforms such as exam view, book widgets, remark test grading,...), through an online exam with confirmation of student identity, as a one-time test, password protection of the test, with a limited time, defined IP address, etc.

Project work and activities in the current year are recognized no later than the end of the next academic year. The student is obliged to attend the exercises and to participate in the assigned activities, the results of which must be prepared and submitted in writing.

#### Student obligations

To pass the course, a student must:

- Attend exercises and write assignments (project).
- Create a given activity and submit it in writing according to the instructions of the subject teacher (ad hoc tasks)
- Take both colloquia or the final exam
- The exam is taken in writing or in an online environment

Written assignments - made in writing during classes as part of exercises. Certain tasks are performed in teams (eg. websites) and others independently according to the instructions of the course assistant.

Activity - is sometimes performed as part of the teaching process or as an independent homework and is taught within the deadlines agreed with the course leader.

Colloquia - Students who pass Colloquium I and Colloquium II do not have to take a written exam. Students who are not satisfied with the achieved evaluation at the colloquium can retake the knowledge test in the written exam.

In exceptional cases, the subject teacher may also organize an oral examination period.

#### Exam and colloquium deadlines

Listed at the beginning of the academic year on the FET and ISVU websites.

#### Weekly schedule of on-line activities

Week 1 - Studying and reviewing video lectures and Powerpoint presentations, and digital materials and books related to the concept and importance of information and communication technologies, user segmentation and their purchasing behavior in different markets. Estimated time load: 15 hours.

Week 2 - Case studies, comparative analysis and discussion via the Moodle platform. Studying and viewing video lectures and Powerpoint presentations, and digital materials related to topics. Estimated time load: 15 hours.

Week 3 - Study the literature and analyze the web pages. Studying and reviewing video lectures and Powerpoint presentations related to the formulation and management of e-marketing strategy and key success factors of websites. Assignment. Estimated time load: 15 hours.

Week 4 – Studying and viewing video lectures and Powerpoint presentations, as well as digital materials and books related to the e-marketing mix (SEM, advertising, social networks, etc.). Estimated time load: 15 hours.

Week 5 - Study the literature and ad hoc assignments. Studying and viewing video lectures and Powerpoint presentations and books related to web analytics, VR, AR, mobile and proximity marketing and trends in e-marketing. Estimated time load: 23 hours.

Week 6 - Preparation for the final exam. Estimated time load: 85 hours.

#### Bibliography

#### Mandatory bibliography

1. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection to learning outcomes: 1-4)
2. Chaffey, D., Chadwick, F. E., Mayer, R., Johnston, K.: Internet marketing: Strategy, Implementation and Practice, Essex, Pearson Education Limited 2009. (Connection to learning outcomes 1-4).

**Additional bibliography**

3. Dadkhan, K. (2009): *The evolution of Macroeconomic Theory and Policy*, Springer.
4. Angeline G. Close (ed.): Online consumer behavior, Routledge 2017.
5. Zahay R.: Internet Marketing Integrating Online And Offline Strategies, Cengage India; 3rd edition, 2016.
6. Schneider G.: Electronic Commerce Cengage Learning; 12 edition, 2016.
7. Chaffey, D., Smith P.R.: Emarketing excellence, Butterworth Heinemann/Elsevier, 2013.
8. Melissa Barker, Donald I. Barker, Nicholas F. Bormann, Debra Zahay: Social Media Marketing: A Strategic Approach, SouthWestern College Pub; 2 edition, 2016
9. David Meerman Scot: The New Rules of Marketing and PR: How to Use Social Media, Online Video, Mobile Applications, Blogs, News Releases, and Viral Marketing to Reach Buyers Directly, Wiley; 5 edition 2015.
10. Mohammed, R., Fisher, R. J., Jaworski, B. J., Paddison, G.: Internet Marketing: Building Advantage in a Networked Economy, New York, McGraw-Hill Companies Inc., 2003.
11. Scientific and professional papers about e-marketing
12. E-marketer newsletter

**Additional information on the course**

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstances.

**CURRICULUM IMPLEMENTATION PLAN**

Course unit code	23736		
Course unit title	ECONOMICS OF TOURISM		
GENERAL INFORMATION			
Study programme	Undergraduate Study Program in Economics (on-line study)	Year	II
Director of the course and assistant	Tamara Floricic, PhD, Assistant Professor		
Course status	Mandatory	Elective	x
Place of teaching	On-line study	Language	English
Credits allocated and type of lectures			
	Winter semester	Summer semester	
ECTS students workload	6		
Number of hours per semester	60 (30L + 30S)		
Course objectives, teaching and learning methods and learning outcomes			
<p>Aims of the course include learning, gaining knowledge and empower awareness of students for:</p> <ul style="list-style-type: none"> <li>- Importance of gaining knowledge of tourism impacts of tourism and its reflection and economic impacts on complete economics system and sectors with focus on organisation and operation in tourism and hospitality industry on micro and macro level.</li> <li>- The aim of the course is to acquaint students with the instruments and models of economic and touristic policy pointed towards establishing a balance in economic surrounding all within in an academic framework that will help students gain a macro view of the economic tourism issues on the national and international level.</li> </ul>			

Learning outcomes for this course are following:

1. To provide students with a solid knowledge on the functioning of the tourism economy as a system, especially on the understanding of tourism theory.
2. Define, explain and understand the influence of multiplicative effect on tourism on national economy, relation between sectors and industries, employment, involved in functioning of tourism sector, including TSA analysis
3. Detect, define and comprehend the role and influence of tourism stakeholders of national and international tourism market with the recognition of global tourism trends that impact the organisation of tourism destination.
4. Interpretation of space in tourism its attractiveness as platform for contemporary tourism destination development its positioning problems through frameworks, concepts, tools, models and solutions of various tourism economics policies.
5. Elaboration of all knowledge acquired by students within undergraduate study in the direction of building an economist in tourism who masters the issues of economic impacts of tourism theory and analysis.

Requirements, correspondence and correlativity

Knowledge of basic tourism is preferable as well as and some basic knowledge of macro economy but not mandatory. Courses Introduction to tourism, Basics of Economy, Basics of Macroeconomics,

**Course content** (list of topics)

The course will focus on the following topics:

1. What is tourism economics, what are the economic impacts of tourism and how the tourism impact GDP and TSA?
2. Tourism multiplier and input output analysis in tourism
3. Tourism market: the demand and supply side of tourism
4. Trends in tourism demand, arrivals, overnights accommodation facilitates – analysis and statistics
5. Tourism expenditure – relation to tourism demand and redistribution of income impacting national economy in general
6. Tourism services in tourism destination
7. Traffic in tourism
8. Spatial organisation in tourism – resources and attraction development
9. Economic side of cultural institutions and valorisation through tourism
10. Economics of hospitality companies: hotel industry and catering industry
11. Importance of education in tourism, labor and employment in tourism issues
12. Investments in tourism industry: greenfield and brownfield investments and public private partnerships in tourism
13. Role and measures of tourism policy and strategies of tourism development
14. Environmental policy in tourism – sustainable tourism development
15. Future trends and perspectives

**Modes of instruction and acquiring knowledge** (mark in bold)

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	<b>Multimedia and internet</b>
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**

**Assessment and evaluation of students** (mark in bold)

Attendance	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>

Project	Continuous assessment	Report	Practical work	
<b>Assessment breakdown within the <i>European credit transfer system</i></b>				
REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	45	1-6	1,6	10%
Continuous Assessment and Essay/Seminar	38	1-6	1,4	40%
Oral Exam	85	1-6	3,0	50%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>
<p>According to the <i>Code of evaluation</i> the final grade is obtained as follows:</p> <p>A = 89 – 100% 5 (excellent)                      B = 76 – 88,9% 4 (very good)                      C = 63 - 75,9 % 3 (good)                      D = 50 – 62,9% 2 (sufficient)</p> <p>Additional clarifications (evaluation criteria):</p> <p>Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.</p> <p>Students are required to write individually or in project teams a seminar that has the characteristics of a research paper, critical review and economic reasoning. The topic is assigned by the professor; the student must fulfill this obligation and submit the work in word format for assessment and confirmation of quality. Based on the quality of the written work, the student achieves up to 40% share in the final grade.</p> <p>If the student covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 21-40%; if he/she partially covered the proposed topic in the paper, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-20% share in the grade.</p> <p>The last aspect of the assessment is the written exam that is based on mixed type questions from lectures and related topics of seminars and as well as selected issues from the required literature; making it 50% of the total share in the final grade. The exam is graded positively if the student has achieved at least 50% of the total number of points within an oral exam. The final grade for the course is obtained by summing the achieved percentages during on-line consultations and individual work, the quality of the seminar and a written exam. Students can be invited to the oral exam too.</p> <p>The seminar obligation and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.</p> <p>Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.</p>				
<b>Student obligations</b>				
<p>To pass the course, a student must:</p> <ol style="list-style-type: none"> <li>1. Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of the seminar, as well as for the preparation for the oral part of the exam, in the case of absence within an on-line class</li> <li>2. Prepare the seminar paper with an emphasis on the critical aspect as well as research background, according to the instructions (submitted work is an obligatory condition for taking the final exam)</li> </ol>				



3. Attend final on-line oral exam
<b>Exam and colloquium deadlines</b>
Listed at the beginning of the academic year on the FET and ISVU websites.
<b>Weekly schedule of on-line activities</b>
Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-4 (estimated time load: 20 hours) Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 5-7(estimated time load: 20 hours) Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 8-10 (estimated time load: 25 hours) Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 11-13 and writing a given seminar paper (estimated time load: 25 hours) Week 5: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 14-15 and writing a given seminar paper (estimation of time load: 20 hours) Week 6: Preparation for the final on-line oral exam (estimated time load: 58 hours)
<b>Bibliography</b>
<b>Mandatory bibliography</b>
<ul style="list-style-type: none"> <li>- Dwyer, L., Forsyth, P., Dwyer, W., Tourism Economics and Policy, Channel View Publications, Bristol, 2010., (Correlation with the learning outcomes 1-5)</li> <li>- On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-5)</li> </ul>
<b>Additional bibliography</b>
<ul style="list-style-type: none"> <li>- Tribe, J., (1999), The Economics of Leisure and Tourism, Butterworth-Heinemann, Oxford, (Correlation with the learning outcomes</li> <li>- Bull, A., The Economics of Travel and Tourism, Longman Australia, Melbourne, (1995), 4.</li> <li>- Lundberg, D.E., Krishnamoorthy, M., Stavenga, M.H. (1995), Tourism Economics, John Wiley &amp; Sons, New York,</li> <li>- Go, F.M.; R. Pine (1995). Globalization strategy and the hotel industry, . London: Routledge</li> <li>- Shaw, G.; Williams, A. (2004), Tourism and tourism spaces, London, Sage</li> <li>- Lundberg, D. et al. (1995). Tourism economics. John Wiley &amp; Sons.</li> <li>- Mintel Reports – Mintel International Group Ltd.,</li> </ul>
<b>Additional information on the course</b>
<ul style="list-style-type: none"> <li>• Any available literature that deals with topics in microeconomics can be used alternatively.</li> <li>• The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.</li> <li>• Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.</li> <li>• The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.</li> <li>• Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.</li> </ul>

CURRICULUM IMPLEMENTATION PLAN			
Course unit code	200284 (EC1300)		
Course unit title	ADVANCED MICROECONOMICS		
GENERAL INFORMATION			
Study programme	Graduate Study Program in Economics (on-line study)	Year	I



<b>Director of the course and assistant</b>	<b>Daniel Tomić, Phd</b> Associate Professor of Economics Email: <a href="mailto:dtomic@unipu.hr">dtomic@unipu.hr</a>			
<b>Course status<sup>16</sup></b>	<b>x</b>	<b>Mandatory</b>		<b>Elective</b>
<b>Place of teaching</b>		<b>On-line study</b>		<b>Language</b> <b>English</b>
<b>Credits allocated and type of lectures</b>				
			Winter semester	Summer semester
<b>ECTS students workload</b>			<b>6</b>	
<b>Number of hours per semester</b>			<b>60 (30L + 30S)</b>	
<b>Course objectives, teaching and learning methods and learning outcomes</b>				
<p>The course aims to help students bridge the gap between microeconomic knowledge acquired in undergraduate teaching and the necessary knowledge of modern microeconomics by including modern microeconomic theory presented through modern tools, as this knowledge will enable students to solve practical problems in their future work environment as well as create a quality basis for further training. Ultimately, the goal is to enable students to apply economic analysis in solving microeconomic problems using a variety of analytical methods and techniques, particularly in the areas of game theory, market imperfections, information asymmetry, risk, and uncertainty.</p> <p>The course involves regular lectures, visiting lectures, counseling and continuous assessment tools while students are obliged to (1) attend 60% of lectures/seminars, (2) write and present individual task (essay/seminar or paper/critical assessment), (3) pass final exam.</p> <p>Learning outcomes for this course are following:</p> <ol style="list-style-type: none"> <li>1. To provide students with insight into more analytically elaborated concepts of economic analysis at the micro level, which are the basis for more serious scientific and professional assessments.</li> <li>2. Define and explain traditional microeconomic theory, but also apply modern focuses, ideas, approaches and tools in the interpretation of economic phenomena such as information asymmetry, risk and uncertainty, antitrust policies, economic implications of integration processes, auctions, etc.</li> <li>3. To present microeconomic theory with different interpretations of functional relations and graphical representations, using simple models, arguments and conclusions.</li> <li>4. Interpret contemporary microeconomic dilemmas through frameworks, concepts, tools, models and solutions of different approaches such as game theory.</li> <li>5. By revaluing theoretical and practical microeconomic problems while constructing examples, enable the assessment of analytical judgment and reasoning that is necessary for the real business world.</li> </ol>				
<b>Requirements, correspondence and correlativity</b>				
Knowledge of basic mathematics is necessary and some basic knowledge of Economics is preferable but not mandatory. Course Microeconomics, Microeconomic analysis, Microeconomics II and/or Intermediate microeconomics are also preferable. Correlativity: Mathematics, Microeconomics.				
<b>Course content (list of topics)</b>				
The course will focus on the following topics: <ol style="list-style-type: none"> <li>1. Theoretical aspects of microeconomic theory and microeconomic analysis.</li> <li>2. Defining the main areas of research in modern microeconomics.</li> <li>3. The problem of optimization (maximization, minimization).</li> <li>4. Analysis of consumer behavior, individual and market demand.</li> </ol>				

5. Analysis of producer's behavior, production function, cost function.
6. Classification of market structures and the market of perfect competition.
7. Limited competition and concentration of market power: monopoly, oligopoly and monopolistic competition.
8. Price discrimination and regulation.
9. Classical models of oligopoly, oligopoly and game theory.
10. Equilibrium analysis in different market structures, General equilibrium analysis and some aspects of welfare analysis (Pareto optimum).
11. Market imperfections: market power, public goods, externalities, asymmetric information.
12. The problem of justice - equality - efficiency.
13. Game theory and its application in microeconomics.
14. The theory of firm, Elements of industrial organization; modern approaches to microeconomic management
15. Analysis of microeconomic decisions in conditions of uncertainty, risk of information asymmetry, advertising, innovation.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**

 Assessment and evaluation of students (**mark in bold**)

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the *European credit transfer system***

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	45	1-5	1,6	10%
Continuous Assessment and Essay/Seminar	38	1-5	1,4	40%
Written Exam	85	1-5	3,0	50%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.

Students are required to write individually an essay that has the characteristics of a critical review. The topic of this kind of an essay is assigned by the professor; the student must fulfill this obligation and submit the work

in word format for assessment and confirmation of quality. The quantity of the paper is defined as a maximum of 2000 words. Based on the quality of the written work, the student achieves up to 40% share in the final grade:

- if the student in the essay covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 21-40%; if he/she partially covered the proposed topic in the paper, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-20% share in the grade.

The last aspect of the assessment is formed on an on-line written part of the exam that is based on up to 5 questions (plus sub-questions) from lectures and related topics of essays and as well as selected issues from the required literature; making it 50% of the total share in the final grade. The exam is graded positively if the student has achieved at least 50% of the total number of points. The final grade for the course is obtained by summing the achieved percentages during on-line consultations and individual work, the quality of an essay and an on-line written part of the exam.

An essay paper and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### **Student obligations**

To pass the course, a student must:

1. Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class
2. Prepare an essay paper with an emphasis on the critical aspect according to the instructions (submitted work is an obligatory condition for taking the final exam)
3. Attend final on-line written exam

#### **Exam and colloquium deadlines**

Listed at the beginning of the academic year on the FET and ISVU websites.

#### **Weekly schedule of on-line activities**

Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-4 (estimated time load: 15 hours)

Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 5-8 (estimated time load: 15 hours)

Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 9-12 (estimated time load: 15 hours)

Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 13-15 and writing a given independent essay (estimated time load: 15 hours)

Week 5: Studying and writing an essay (estimation of time load: 23 hours)

Week 6: Preparation for the final on-line written exam (estimated time load: 85 hours)

#### **Bibliography**

##### **Mandatory bibliography**

3. Varian, Hall (1992) Microeconomic Analysis, Third Edition, W.W. Norton and Company, Inc., NY. (correlation with learning outcomes: 1-5)
2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-5)

##### **Additional bibliography**

1. Pyndick, Robert and Daniel Rubinfeld (2018) Microeconomics, 9<sup>th</sup> Edition, Pearson.

4. Mas-Colell, A., Whinston, M. D. and Green, J. R. (1995) *Microeconomic theory*, Oxford University Press.
5. Besanko, D., R. Braeutigam (2002) *Microeconomics: an integrated approach*, John Wiley & Sons.
6. Gravelle, H., R. Rees (2004) *Microeconomics*, 3rd Ed. London, Longman.
7. Jehle, G.A., P.J. Reny (2001) *Advanced Microeconomic Theory*, 2nd Ed. London, Addison Wesley.
8. Yohe, G.W. (1992) *Exercises and Applications for Microeconomic Analysis*, W. W. Norton & Company.

**Additional information on the course**

Any available literature that deals with topics in microeconomics can be used alternatively.

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.

Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.

The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.

Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

**CURRICULUM IMPLEMENTATION PLAN**

Code and course title	CORE ECON 245 Advanced Macroeconomics		
Teacher	Marinko Škare, PhD Full Professor tenure  Saša Stjepanović, PhD Associate Professor Lela Tijanić, PhD Associate Professor <a href="https://fet.unipu.hr/fet/lela.tijanic">https://fet.unipu.hr/fet/lela.tijanic</a>		
Study program	Graduate study program in Applied Economics (part-time)		
Type of course	Mandatory	Course level	Graduate
Semester	Winter	Year of study	I
Place of performance	On-line environment	Language	English
ECTS points	6	Number of hours per semester	30L – 0E – 30S
Prerequisites for enrollment and for mastering	There are no special course enrolment requirements defined.		
Correlation	Advanced microeconomics, Macroeconomics, Monetary economics, Macroeconomic management, EU economics		

<p>Course objective</p>	<p>Prepare students to evaluate macroeconomic management with regards to different views of macroeconomic regulation and construct examples in order to evaluate the acquired knowledge in solving many theoretical and pragmatic economic problems according to the core economic principles. Introduce students to economic policy instruments and models in order to maintain a balance in macroeconomics and gain a macro insight into economic issues.</p>
<p>Learning outcomes</p>	<p>When students finish and successfully pass the course, and if they have completely acquired the knowledge and skills offered within the course program, they should be able to:</p> <ol style="list-style-type: none"> <li>1. Define and identify the fundamental macroeconomic problems and issues in modern macroeconomics and their microeconomic foundations;</li> <li>2. Independently interpret and analyze theories and empirical evidence of economic growth and business cycles through a presentation of theories and models of growth/cycles to a large audience;</li> <li>3. Express macroeconomic ideas orally and in writing, in a way understandable to the academic audience, daily publications and the media, take part in economic debates and express complex modern macroeconomic issues to the general public with no economic qualifications in view of changes and challenges in the modern macroeconomic environment;</li> <li>4. Use software during the preparation of macroeconomic analyses needed to make decisions on structuring and defining macroeconomic policies in the domain of economic growth and business cycles;</li> <li>5. Participate in informed debates about important modern macroeconomic issues, such as the New Keynesian theory and real business cycles;</li> <li>6. Apply macroeconomic models in the real world.</li> </ol> <p>Corresponding study outcomes at the study program level:</p> <ul style="list-style-type: none"> <li>• Define, interpret, connect basic economic terms and apply key basic knowledge (fundamental basics) in regards to issues in the field of economics.</li> <li>• Understand the importance of proper and just everyday decision-making based on recognized economic principles, with respect to limitations present in the real world of economy.</li> <li>• Understand the importance of economics as a scientific discipline, the difference between correlation and causality, and the role and restrictions of economic models.</li> <li>• Adopt advanced knowledge of economics through a wider perspective and worldview and modern economic development during the time of digital economics, for the purposes of facing and solving important, real economic problems, now and in the future.</li> </ul>
<p>Course content</p>	<ul style="list-style-type: none"> <li>- Long run</li> <li>- Short run</li> <li>- Exogenous economic growth</li> <li>- Endogenous economic growth</li> <li>- Structural unemployment</li> <li>- Elements of the macroeconomic model in the short run</li> <li>- Short run macroeconomic model for the closed economy</li> <li>- Short run macroeconomic model for the open economy</li> <li>- General equilibrium and prosperity</li> <li>- Models of real business cycles</li> <li>- New Keynesian models</li> </ul>



	<ul style="list-style-type: none"> <li>- Expectations</li> <li>- Financial cycles</li> <li>- Stabilization policy</li> <li>- Limits to economic growth in the future – the role of monetary and fiscal policy</li> </ul>				
Planned activities, learning and teaching methods and evaluation methods	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECT S</b>	<b>Maximum grade share (%)</b>
	Written assignment (seminar paper, independent assignment)	1 – 5	78	2,4	40%
	Test (writing a research paper)	1 – 6	90	3,6	60%
	In total		168	6	100%
	<p>Additional clarifications (evaluation criteria):</p> <p>When preparing for the course, the student has access to classic literature available from the University/Faculty library and e-book. During the lectures, additional available online sources will be recommended to the students for the preparation of independent assignments and for understanding of the specific course units.</p> <p>Class attendance and active participation in class is recommended.</p> <p>The seminar paper / independent assignment are assigned by the lecturer. Students must write and submit for review the seminar paper / independent assignment, where they may achieve a max. of 40% of the grade, namely:</p> <ul style="list-style-type: none"> <li>• for a paper containing a completed assignment with minor errors / correctly included basic elements of the topic in written form, max. 20% of the grade is awarded.</li> <li>• for a paper containing a correct and completed assignment with detailed elaboration on the topic, max. 30% of the grade is awarded.</li> </ul> <p>In case of major errors, the seminar paper / independent assignment will be returned to the student to be corrected according to the provided instructions.</p> <p>If the student has achieved at least 50% of total points for the written research paper, the student has passed the test.</p> <p>The final grade for the course is derived on the basis of the total percentage of the grade from the seminar paper / independent assignment and the test (research paper).</p> <p>The final grade is determined according to the following formula:</p> $\text{GRADE} = 40\% * H + 60\% * M$ <p>where:                  H = written assignments (seminar paper, independent assignment)                  M = average points from the exam/evaluation of the research paper at the end of the year (success percentage).</p>				
Student obligations	In order to pass the course, the student must: <ol style="list-style-type: none"> <li>1. Write a seminar paper / independent assignment related to a concrete economic issue and submit it within the deadline determined by the lecturer and according to the agreement with the lecturer.</li> </ol>				

	<p>2. Pass the final exam at the end of the year - achieve at least 50% of the total points for the written research paper.</p>
Exam dates	Exam dates are published at the start of the academic year through ISVU system.
Other important facts related to the course	<p>Obligations fulfilled according to the described syllabus are valid until a new syllabus is implemented.</p> <p>The professor may revise the syllabus depending on the number of students or some other circumstances.</p>
Weekly schedule of online activities	<p><u>Week 1:</u> studying and reviewing the literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Course introduction; Long run; Short run; Exogenous economic growth. Preparing a research framework in order to write the research paper. Assessment of workload: 10 hours.</p> <p><u>Week 2:</u> studying and reviewing the literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Endogenous economic growth; Structural unemployment; Elements of the macroeconomic model in the short run. Preparing a research framework in order to write the research paper. Assessment of workload: 10 hours.</p> <p><u>Week 3:</u> studying and reviewing the literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Short run macroeconomic model for the closed economy; Short run macroeconomic model for the open economy; General equilibrium and prosperity. Studying literature, online databases for seminar/individual assignment preparation according to the course plan. Studying literature, performing the analysis and writing a research paper. Assessment of workload: 40 hours.</p> <p><u>Week 4:</u> studying and reviewing the literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Models of real business cycles; New Keynesian models; Expectations. Studying literature, online databases for seminar/individual assignment preparation according to the course plan. Studying literature, performing the analysis and writing a research paper. Assessment of workload: 40 hours.</p> <p><u>Week 5:</u> studying and reviewing the literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Financial cycles; Stabilization policy; Limits to economic growth in the future – the role of monetary and fiscal policy. Studying literature, online databases for seminar/individual assignment preparation according to the course plan. Studying literature, performing the analysis and writing a research paper. Assessment of workload: 34 hours.</p> <p><u>Week 6:</u> Studying literature, results of the analysis and completing a research paper. Assessment of workload: 34 hours.</p>

Literature	<p><b>Required:</b></p> <ul style="list-style-type: none"> <li>- Sørensen, P. B. i Whitta-Jacobsen, H. (2010.): <i>Introducing Advanced Macroeconomics: Growth and Business Cycles</i>, McGraw-Hill Higher Education. Connected with learning outcomes 1–6.</li> <li>- Short (digital) notes made by the lecturer for the online course. Connected with learning outcomes 1–6.</li> </ul> <p><b>Optional:</b></p> <ol style="list-style-type: none"> <li>1. Aghion, P. and P. Howitt (1998.): <i>Endogenous Growth Theory</i>, MIT Press</li> <li>2. Azaridis, C. (1993.): <i>Intertemporal Macroeconomics</i>, Blackwell publisher</li> <li>3. Barro, R. and X. Sala-i-Martin (1995.): <i>Economic Growth</i>, McGraw-Hill</li> <li>4. Blanchard, O. (2011.): <i>Makroekonomija</i>, MATE d.o.o.</li> <li>5. Blanchard, O. and S. Fischer (1990.): <i>Lectures in Macroeconomics</i>, MIT Press</li> <li>6. Godley, W. and Lavoie, M.: <i>Monetary Economics – An Integrated Approach to Credit, Money, Income, Production and Wealth</i>, Palgrave Macmillan</li> <li>7. Romer, D. (2012.): <i>Advanced Macroeconomics</i>, McGraw-Hill</li> </ol> <p><b>Additional:</b></p> <p>(Online) articles in journals: <i>Economic Research - Ekonomska istraživanja</i>, <i>Ekonomski pregled</i>, <i>Croatian Economic Survey</i>, <i>Privredna kretanja i ekonomska politika</i>, <i>Zbornik radova Ekonomskog fakulteta u Rijeci: časopis za ekonomsku teoriju i praksu</i>, <i>Public Sector Economics</i>, <i>Zagreb International Review of Economics &amp; Business</i>, <i>Ekonomska misao i praksa</i>, <i>Ekonomski vjesnik</i>, <i>Croatian International Relations Review</i>...</p> <p>For every seminar paper/independent assignment, additional (including online) literature will be suggested to students as required. The students are also advised to use the databases available at University.</p>
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**CURRICULUM IMPLEMENTATION PLAN**

Course unit code	23706, BE129		
Course unit title	EUROPEAN UNION ECONOMICS		
GENERAL INFORMATION			
<b>Study programme</b>	<b>Graduate study programmes</b>	Year	I.
<b>Director of the course and assistant</b>	Ines Kersan-Škabić, Ph.D., Professor		
<b>Course status</b> <sup>17</sup>	x	Mandatory	Elective
<b>Place of teaching</b>		<b>On-line study</b>	Language <b>English</b>

Credits allocated and type of lectures				
			Winter semester	Summer semester
<b>ECTS students workload</b>			6	
<b>Number of hours per semester</b>			60	
Course objectives, teaching and learning methods and learning outcomes				
Objectives: introduce the basic characteristics (historical development, institutional framework) and mechanism of the EU functioning as well as economic policies (agricultural, regional, monetary, industrial, trade policy, EU budget and EU enlargement process). Teaching methods: lectures and seminar papers. Learning outcomes: <ol style="list-style-type: none"> <li>1. To explain the process and effects of regional integration, interpretation of historical development of the EU and its institutional structure;</li> <li>2. To analyze contemporary economic trends in the EU and its member states and indicate the problems in economic development;</li> <li>3. To assess and explain the characteristics of EU economic policies (EU budget, monetary policy in Eurozone, agricultural policy, regional policy, industrial policy, trade policy);</li> <li>4. To propose critical evaluation of indicators that shows some problems/distortions in the common markets and elaboration of development challenges with the solution proposing</li> </ol>				
Requirements, correspondence and correlativity				
It is necessary that students have knowledge from macroeconomics, microeconomics and international economics. Correspondence (with the courses): European Economic Policy (Universita Commerciale Luigi Bocconi, Italy); The Political Economy of European Integration (London School of Economics, UK); European Economy (National University of Ireland, Galway, IRL); Economics of European Integration (Universita di Milano, Italy) and other courses about EU Economics.				
Course content (list of topics)				
<ul style="list-style-type: none"> <li>- <b>Globalization and regionalism.</b></li> <li>- <b>The theory and effects of custom union. Common market. Dynamic effects of economic integration.</b></li> <li>- <b>Process of European integration and EU evolution</b></li> <li>- <b>EU Institutions.</b></li> <li>- <b>EU budget</b></li> <li>- <b>Common Agricultural Policy (CAP)</b></li> <li>- <b>Regional policy of EU</b></li> <li>- <b>Competitiveness in the EU</b></li> <li>- <b>Industrial policy in the EU</b></li> <li>- <b>Theory of optimal currency area and EU. Monetary policy in EU.</b></li> <li>- <b>Trade policy of EU</b></li> <li>- <b>EU Enlargement and future of EU</b></li> <li>- <b>EU and Croatia</b></li> <li>- <b>EU and other european integrations (EFTA, CEFTA)</b></li> </ul>				
Modes of instruction and acquiring knowledge (mark in bold)				
Lectures	Seminars and workshops	Exercises	<b>Individual tasks</b>	<b>Multimedia and internet</b>
Distance learning	Counseling	Laboratory	<b>Tutorial</b>	Fieldwork
Students are required to write individually: one seminar paper on chosen topic (from the list of topics) and one essay that has the characteristics of a critical review. The topics are assigned by the professor; the student must fulfill this obligation and submit the works in word format for assessment and confirmation of quality. The quantity of the seminar paper is defined as a maximum of 5000 words and for the essay 1000 words.				

Additionally, the students are suggested to participate in discussion about contemporary activities in the EU. Based on these activities, the student achieves up to 40% share in the final grade.

Continuous assessment:

On-line colloquium I - covers topics 1-7 (max. 30% of grade)

On-line colloquium II - covers topics 8-14 (max. 30% grade).

Succession on the colloquium is considered when the student has achieved at least 50% of the total number of points (in each colloquium). The student must pass the material from both colloquia in order for them to be recognized as equivalent to the final written exam. Writing the colloquia is not obligatory.

The final grade is obtained by summing the achieved percentages in actualities, seminars, essay and both colloquia as the equivalent of a written exam. The student takes the final on-line written exam in case he/she: (1) does not pass one of the colloquia, (2) does not pass any of the colloquia, (3) is not satisfied with the achieved grade, (4) wants to take the final written exam. At the final written exam, the student takes the equivalent of both colloquia that he did not pass during class. At the final written exam, the student can achieve 60% of the grade, and the exam is graded as positive if the student has achieved at least 50% of the total number of points.

Passed colloquia, and other evaluated activities in the current academic year are recognized as fulfilled no later than the end of the next academic year.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### Student requirements

The student is monitored and evaluated throughout the semester as follows:

- Activity in class (discussion about actualities in the EU) = 10%
- Seminar (presentations) = 20%
- Essay = 10%
- Written exam = 60%.

The final grade is obtained as follows:

A = 90 – 100%	5 (excellent)	= 89 – 100% of the grade
B = 80 – 89,9%	4 (very good)	= 76 – 88,9% of the grade
C = 70 – 79,9%	3 (good)	= 63 – 75,9% of the grade
D = 60 – 69,9%	2 (sufficient)	= 50 – 62,9% of the grade

Assessment and evaluation of students (mark in bold)

<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	Oral exam	<b>Essay</b>	Research
Project	<b>Continuous assessment</b>	Report	Practical work

Assessment breakdown within the *European credit transfer system*

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Activity in class	30	1-5	1,1	10
Seminar paper	25	1-5	0,9	20
Essay	13	3 and 5	0,4	10
Written exam I. part	50	1-3	1,8	30
Written exam II. part	50	3-5	1,8	30
	168		6,0	100



<b>Exam and colloquium deadlines</b>			
Listed at the beginning of the academic year on the FET and ISVU websites.			
<b>Weekly schedule of on-line activities</b>			
Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-3 (estimated time load: 15 hours) Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 4-6 (estimated time load: 20 hours) Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 7-9 (estimated time load: 20 hours) Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 10-12 (estimated time load: 20 hours) Week 5: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 13-14. Studying and writing an seminar paper and essay (estimation of time load: 40 hours) Week 6: Preparation for the final on-line written exam (estimated time load: 53 hours)			
<b>Bibliography</b>			
<b>Mandatory bibliography</b>			
1. Baldwin, R. and Wyplosz, Ch. (2019), The Economics of European Integration, 6th edition, McGraw-Hill Higher Education (learning outcomes 1-3) 2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-4)			
<b>Additional bibliography</b>			
4. Pelkmans, J. (2006): <b>European Integration: Methods and Economic Analysis</b> , Third edition, Pearson Education. 5. Web pages: <a href="http://europa.eu">http://europa.eu</a> (different topics); European Central Bank <a href="https://www.ecb.europa.eu/home/html/index.en.html">https://www.ecb.europa.eu/home/html/index.en.html</a> ,			
<b>Additional information on the course</b>			
Any available literature that deals with topics in international economics can be used alternatively.  The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.  Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.  The commission exam, which the student takes for the 8 <sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.  Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrića in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.			
<b>CURRICULUM IMPLEMENTATION PLAN</b>			
Code and course title	23807, EC131 Urban Economics		
Teacher	Lela Tijanić, PhD Associate Professor <a href="https://fet.unipu.hr/fet/lela.tijanic">https://fet.unipu.hr/fet/lela.tijanic</a>		
Study program	Graduate study program in Applied Economics (part-time)		
Type of course	Mandatory	Course level	Graduate

Semester	Winter	Year of study	I		
Place of performance	On-line environment	Language	English		
ECTS points	6	Number of hours per semester	30L – 0E – 30S		
Prerequisites for enrollment and for mastering	There are no special course enrolment requirements defined.				
Correlation	Regional Economics				
Course objective	Prepare students for the application of theoretical basics of urban economics, the implementation of urban development policy and the implementation of acquired knowledge and skills regarding the management of urban development.				
Learning outcomes	<ul style="list-style-type: none"> <li>- Properly define basic terms of urban economics</li> <li>- Analyze the structure and use of urban areas and determine the urban rent</li> <li>- Compare spatial and location models, and urban growth models</li> <li>- Explain the role of cities, the creation and development of local self-government, the term public governance and its development, the process of managing a city</li> <li>- Apply the acquired knowledge and skills in problem-solving tasks for the purpose of proposing solutions to the issues of urban housing, transport, city crime, city poverty, urban marketing and urban ecology, including the use of EU instruments</li> </ul>				
Course content	<ul style="list-style-type: none"> <li>- Theoretical frameworks of urban economics and the city in regards to urban economics.</li> <li>- Growth of cities.</li> <li>- Land rent, urban structure, use of land.</li> <li>- Urban transportation.</li> <li>- Housing.</li> <li>- Urban poverty and urban crime.</li> <li>- Local government, city management and city manager.</li> <li>- Urban marketing.</li> <li>- Urban ecology.</li> <li>- Spatial planning.</li> </ul>				
Planned activities, learning and teaching methods and evaluation methods	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS</b>	<b>Maximum grade share (%)</b>
	Written assignment (book review)	1 – 5	42	1,5	10%
	Written assignment (essay)	2 – 5	42	1,5	30%
	Midterm (written) exam I	1 – 5	42	1,5	30%

	Midterm (written) exam II	1 – 5	42	1,5	30%
	In total		168	6	100%
	<p>Additional clarifications (evaluation criteria):</p> <p>When preparing for the course, the student has access to classic literature available from the University/Faculty library, digital notes (script) and lectures available via the Moodle e-learning system. During the lectures, additional available online sources will be recommended to the students for the preparation of independent assignments.</p> <p>Students must write a book review (students choose the book independently, but according to the course plan) and an essay according to the assigned topics. Students may achieve the maximum of 10% of the grade if they write a book review (5 pages, Times New Roman, 12, spacing 1.5) which formally and content-wise meets all set criteria explained by the lecturer, including critical assessment. Students may achieve the maximum 30% of the grade if they write an essay which formally and content-wise meets all set criteria explained by the lecturer, and for which numerous works have been examined, if the critical assessment contains sufficient details, is written clearly and based on the detailed elaboration. If errors are determined, students get lower grades.</p> <p>During the semester, the students must pass two exams. The midterm exam I covers units 1–5, while the midterm exam II covers units 6–10. Students must pass both exams. In each of these exams, students may achieve a maximum of 30% of the grade. If the student has correctly answered 50% of the questions in an exam, i.e. 15% of the final grade, the student has passed the exam. Students who have not passed both exams or are not satisfied with the results will take the final exam. If the student has achieved at least 50% of total points, the student has passed the final exam.</p> <p>A positive grade for the book review and the essay are required for part-time students to take the midterm exam II/final exam.</p> <p>The final grade of part-time students is based on the book review and essay grade and the midterm exams / final exam results.</p>				
Student obligations	<p>In order to pass the course, the student must:</p> <ul style="list-style-type: none"> <li>- Get a positive grade for their book review prepared according to the lecturer's instructions. Students must submit the review within the deadline determined by the lecturer.</li> <li>- Get a positive grade for their essay prepared according to the lecturer's instructions and which must be submitted within the deadline determined by the lecturer at the start of the semester.</li> <li>- Pass two exams / the final exam. Students who have achieved a positive grade for their book review and their essay may take the midterm exam II/final exam. The exam is written, taken in an online environment.</li> </ul>				
Exam dates	Exam dates are published at the start of the academic year through ISVU system. Mid-term exam dates will be given to students during the first lectures.				
Other important facts related to the course	Presentations from classes are published on the e-learning website (as specific units are covered during the semester), as well as the record of achieved grades during class and midterm exams / final exam results.				

	<p>Responsibilities fulfilled according to the described syllabus are valid until a new syllabus is implemented.</p> <p>The professor may revise the syllabus depending on the number of students or some other circumstances.</p>
Weekly schedule of online activities	<p><u>Week 1</u>: studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Course introduction; Theoretical frameworks of urban economics; Urban statistics. Assessment of workload: 10 hours.</p> <p><u>Week 2</u>: studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: City in urban economy; Growth of cities; Strategic planning of local development, urban agglomerations and integrated territorial investments. Assessment of workload: 10 hours.</p> <p><u>Week 3</u>: studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Land rent; Urban structure, use of land; Urban transportation. Studying literature for essay and book review preparation. Assessment of workload: 40 hours.</p> <p><u>Week 4</u>: studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Housing; Urban poverty; Urban crime; Public management; Decentralization; Local governance; City management. Studying literature for essay and book review preparation. Assessment of workload: 40 hours.</p> <p><u>Week 5</u>: studying and reviewing the PowerPoint presentations, digital notes (script) and other literature (books, journal articles, databases and publications suggested by the lecturer) relating to the following units: Urban marketing, city branding; Urban ecology; European Green Deal and urban development; Spatial planning. Studying literature for essay and book review preparation. Assessment of workload: 34 hours.</p> <p><u>Week 6</u>: studying and reviewing the PowerPoint presentations, digital notes (script) and other literature, final preparation for midterm exams/final exam. Assessment of workload: 34 hours.</p>
Literature	<p>Required:</p> <ul style="list-style-type: none"> <li>- Notes (digital script) made by the lecturer for the online course. The notes are published as an e-learning material (they are adjusted yearly during the course in order to include current affairs and continually update the topics in the field of urban economics. The digital script also includes synthesis of various quality literatures which follows the topics of the course and which is not available to students online). Connected with learning outcomes 1–5.</li> <li>- O’Sullivan, A. (2007 and later): Urban Economics, McGraw-Hill Irwin, New York Connected with learning outcomes 1–5.</li> </ul>

- Online materials in the form of presentations, accessible through e-learning system. Connected with learning outcomes 1–5.

Optional:

1. Brooks, N., Donaghy, K. and Knaap, G.-J. (eds.) (2011.): The Oxford Handbook of Urban Economics and Planning, Oxford University Press, Oxford
2. Diamond, J., Liddle, J., Southern, A. and Townsend, A. (eds.) (2007.): Managing the City, Routledge, London, New York
3. Đokić, I., Rašić Bakarić, I. and Šišinački, J. (2010.): Strateški programi lokalnog razvoja – hrvatska iskustva, Jesenski i Turk, Ekonomski institut, Zagreb
4. European Commission – EU regional and urban development: [http://ec.europa.eu/regional\\_policy/en/](http://ec.europa.eu/regional_policy/en/)
5. Fujita, M., Krugman, P. and Venables, A. J. (1999.): The Spatial Economy: Cities, Regions, and International Trade, The MIT Press, Cambridge, London
6. Lerch, D. (2011.): Postkarbonski gradovi: planiranje za doba energetske i klimatske neizvjesnosti: priručnik za lokalne uprave za postupanje u okolnostima smanjivanja dostupnosti nafte i globalnog zatopljenja, Skala, Z. (ur.), Javna ustanova Zavod za prostorno uređenje Primorsko-goranske županije, Rijeka
7. McCann, P. (2013.): Modern Urban and Regional Economics, Oxford University Press, Oxford
8. OECD (2018.): OECD Regions and Cities at a Glance 2018, OECD Publishing, Paris, [http://dx.doi.org/10.1787/reg\\_cit\\_glance-2018-en](http://dx.doi.org/10.1787/reg_cit_glance-2018-en)
9. Šimunović, I. (2007.): Urbana ekonomika, Školska knjiga, Zagreb

Additional:

Articles in: Area Development and Policy, Environment and Urbanization, European Urban and Regional Studies, Journal of Urban Economics, Prostor: znanstveni časopis za arhitekturu i urbanizam, Regional Science and Urban Economics, Regional Studies, Spatial Economic Analysis, Territory, Politics, Governance, Urban Studies.

Other internet sources:

<http://citymayors.com>; <https://ec.europa.eu/eurostat/web/regions-and-cities>;  
<http://www.mgipu.hr/>; <https://mingor.gov.hr/>; <https://mzoe.gov.hr/>;  
<https://razvoj.gov.hr/>; <http://www.udruga-gradova.hr>;  
<http://www.worldbank.org>

For every seminar paper topic, additional (including online) literature will be suggested to students as required. The students are also advised to use the databases available at University.



**CURRICULUM IMPLEMENTATION PLAN**

Course unit code			
Course unit title	ENVIRONMENTAL ECONOMICS		
GENERAL INFORMATION			
Study programme	Graduate Study Program in Applied Economy (on-line study)	Year	I
Director of the course and assistant	Kristina Afrić Rakitovac, Phd Associate Professor of Economics Email: <a href="mailto:kafric@unipu.hr">kafric@unipu.hr</a>		
Course status <sup>18</sup>	x	Mandatory	Elective
Place of teaching		On-line study	Language English
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload		6	
Number of hours per semester		60 (30L + 30S)	
Course objectives, teaching and learning methods and learning outcomes			
<p>The course objectives are to enable students to critically consider and understand the interdependence of the modern economy, society and environment as a consequence of unsustainable production and unsustainable consumption from theoretical bases to empirical examples, at the global, national, regional and local levels; understanding the role and importance of stakeholders in implementing the concept of sustainable development; interpretation of possible ways of implementing the concept of socially responsible business in the public sector and the economy and analysis of the interdependence of economic and environmental policy from a theoretical point of view, at the level of the EU and the Republic of Croatia.</p> <p>The course involves regular lectures, visiting lectures, counseling and continuous assessment tools while students are obliged to (1) attend 60% of lectures/seminars, (2) write and present individual task (essay/seminar paper/critical assessment), (3) pass final exam.</p> <p>Learning outcomes for this course are following:</p> <ol style="list-style-type: none"> <li>1. Consider and analyze the cause-and-effect relationships of the impact of economic development on the state of the environment and social relations at the global, national, regional and local levels.</li> <li>2. Understand and apply the concept of sustainable development (theoretical aspect, principles, types of sustainability, implementation possibilities, etc.)</li> <li>3. Assess the role and importance of different stakeholders in the implementation of the concept of sustainable development.</li> <li>4. Critically think about the importance and ways of implementing the concept of corporate social responsibility in the economy and the public sector.</li> <li>5. Interpret the interdependence of economic and environmental policy from a theoretical point of view, at the level of the EU and the Republic of Croatia.</li> </ol>			
Requirements, correspondence and correlativity			
Correlativity: Development Economics, Behavioral Economics			
<b>Course content</b> (list of topics)			
The course will focus on the following topics:			
<ol style="list-style-type: none"> <li>1. Contemporary environmental problems (causes and consequences of environmental pollution)</li> </ol>			

2. Anthropogenic impact on the environment
3. Interdependence of the level of economic development and environmental pollution
4. Concept of sustainable development (conceptual definition, concept development, implementation of processes at the international, EU, national, regional and local levels)
5. Measuring sustainability - neoclassical and ecological point of view
6. Measuring environmental benefits / costs
7. Socially responsible business in the public and private sector
8. The role and importance of socially responsible public procurement for various stakeholders
9. Environmental policy (theoretical and methodological framework, international, EU, national policy)
10. Knowledge management in the function of sustainable development

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**
**Assessment and evaluation of students (mark in bold)**

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	28	1-6	1,0	10%
Continuous Assessment and Seminar	56	1-6	2,0	30%
Written Exam (or two colloquiums)	84	1-6	3,0	60%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of a seminar paper, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.

Students are required to write individually a seminar paper that has the characteristics of a critical review. The topic is assigned by the professor; the student must fulfill this obligation and submit the work in word format for assessment and confirmation of quality. The quantity of the paper is defined as a maximum of 2000 words. Based on the quality of the written work, the student achieves up to 30% share in the final grade:

- if the student in the paper covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 16-30%; if he/she partially covered the proposed topic in the paper, did not use all the proposed

literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-15% share in the grade.

Continuous assessment:

On-line colloquium I - covers topics 1-5 (max. 30% of grade)

On-line colloquium II - covers topics 6-10 (max. 30% grade).

Succession on the colloquium is considered when the student has achieved at least 50% of the total number of points (in each colloquium). The student must pass the material from both colloquia in order for them to be recognized as equivalent to the final written exam. In agreement with the students, it is possible to divide the course content in more than two colloquia. Writing the colloquia is not obligatory.

The final grade is obtained by summing the achieved percentages in seminars, activities in on-line classes and both colloquia as the equivalent of a written exam. The student takes the final on-line written exam in case he/she: (1) does not pass one of the colloquia, (2) does not pass any of the colloquia, (3) is not satisfied with the achieved grade, (4) wants to take the final written exam. At the final written exam, the student takes the equivalent of both colloquia that he did not pass during class. At the final written exam, the student can achieve 60% of the grade, and the exam is graded as positive if the student has achieved at least 50% of the total number of points.

Passed colloquia, essay paper and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.

Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### **Student obligations**

To pass the course, a student must:

1. Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class
2. Prepare an essay paper with an emphasis on the critical aspect according to the instructions (submitted work is an obligatory condition for taking the final exam)
3. Attend on-line colloquia or final on-line written exam

#### **Exam and colloquium deadlines**

Listed at the beginning of the academic year on the FET and ISVU websites.

#### **Weekly schedule of on-line activities**

Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-3 (estimated time load: 15 hours)

Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 4-6 (estimated time load: 15 hours)

Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 7-9 (estimated time load: 15 hours)

Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topic 10 and writing a given independent essay (estimated time load: 15 hours)

Week 5: Studying and writing an essay (estimation of time load: 22 hours)

Week 6: Preparation for the final on-line written exam (estimated time load: 84 hours)

#### **Bibliography**

##### **Mandatory bibliography**

1. Lewis, L.; H. Tietenberg, T.H. (2020): Environmental Economics and Policy, Routledge (correlation with learning outcomes: 1-5)
2. On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-5)

##### **Additional bibliography**

1. Jackson, T. (2016): Prosperity without Growth: Foundations for the Economy of Tomorrow, Routledge; 2nd edition
2. Mazzucato, M. (2020): The Value of Everything, PublicAffairs

**Additional information on the course**

Any available literature that deals with topics in development economics can be used alternatively.

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.

Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.

The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.

Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobriša in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

**CURRICULUM IMPLEMENTATION PLAN**

Course unit code			
Course unit title	TIME SERIES ANALYSIS		
<b>GENERAL INFORMATION</b>			
<b>Study programme</b>	Graduate study program in Economics	Year	I
<b>Director of the course and assistant</b>	Alen Belullo, Phd Associate Professor of Economics Email: <a href="mailto:abelul@unipu.hr">abelul@unipu.hr</a>		
<b>Course status<sup>19</sup></b>	X	Mandatory	Elective
<b>Credits allocated and type of lectures</b>			
		Winter semester	Summer semester
<b>ECTS students workload</b>			6
<b>Number of hours per semester</b>			(30L+30S)
<b>Course objectives, teaching and learning methods and learning outcomes</b>			
<p>The aim of the course is to provide students an insight into empirical methodology for analyzing time series economic data using econometric software.</p> <p>Learning outcomes are following:</p> <ol style="list-style-type: none"> <li>1. apply the correct econometric method for the analysis of economic data</li> <li>2. correctly interpret the obtained results</li> <li>3. master the proper use of econometric software.</li> <li>4. analyze time series data in the economy</li> </ol>			
<b>Requirements, correspondence and correlativity</b>			
<b>Requirements:</b> Exonometrics, Statistics			

**Correspondence or Correlativity: Econometrics 2, Time Series Analysis**
**Course content (list of topics)**

1. Empirical differential equations
2. Stationary and non-stationary stochastic processes,
3. Seasonality,
4. Deterministic and stochastic trend,
5. Vector autoregressive models (VAR),
6. Granger's causality,
7. Cointegration and VECM models.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	<b>Counseling</b>	Laboratory	Tutorial	Fieldwork

**Student requirements**

 Assessment and evaluation of students (**mark in bold**)

<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work
<b>Written exam</b>	<b>Oral exam</b>	Essay	Research
Project	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance at classes and seminars	45	1,2,4	1.6	10%
Continuous Assessment	28	1-2	1	20%
Seminar Paper/ Research	67	3-4	2.4	30%
Written Exam	28	1-3	1	40%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

**Attendance at classes and seminars:**

The student gets% of share in grade depending on% how many times he was present in online classes. The student is expected to be actively involved in the discussion during the online lecture and presentation of seminar papers. Attendance is checked via a code scan in Moodle.

**Continuous Assesment:**

In order to motivate continuous learning of students to make it easier to follow the material in lectures, 2 short unannounced tests (10% each) will be organized in online environments on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address. Independent task.

**Seminar Paper/Research:**

An independent assignment consists of a written assignment. Papers must be in written form; the student must apply the correct research method and correctly interpret the results obtained. The written part of the



independent task brings a maximum of 20% of share in grade and is submitted for evaluation in the Moodle system. The student must prepare a power point presentation and present it online in front of the whole class. By presenting an independent task, the student achieves up to a maximum of 10% of share in grade.

**Written exam:**

Student writes a written exam consisting of a theoretical part that brings 10% share in grade and practical solving of one task in Gretl that brings 30% share in grade. The written exam is solved in an online environment, on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address.

At the end of the semester, the student's overall performance during classes is assessed, according to the European Credit Transfer System.

A student who does not achieve 50% of share in grade through activities during classes can pass the exam through the final exam, whereby the percentages of activities that he may have achieved during classes are deleted.

Passed the final exam is considered a test in which the student has achieved at least 50% of the total number of points.

**Student obligations**

To pass the course, the student must:

1. Continuously learn and prepare for tests
2. Make a written assignment and present it to the class
3. Pass the colloquium or final exam

**Weekly schedule of online activities**

Week 1 - Study and review of digital scripts, power point presentations and books related to Time Series Analysis, repetition of basic concepts in Statistics, Matrix Linear Algebra, Mathematical Simulations and Basic Econometrics. Estimation of time workload 20 hours.

Week 2 - Studying the literature, reviewing video lectures and power point presentations related to differential equations and stationary time series. Estimation of time workload 20 hours.

Week 3 - Literature study, video review and power point presentations related to VAR and VECM models. Workload estimate 20 hours.

Week 4 - Study the literature, browse online video problem solving in the Gretl econometric software, solve all tasks independently online. Workload estimation 20 hours.

Week 5 - Study the literature, collect data and analyze them in the econometric software Gretl for research purposes; write a seminar paper, prepare a presentation and present the same online to the class. Workload estimate 35 hours.

Week 6 - Preparation for the theoretical and practical part of the colloquium or final exam. Estimation of time load 53 hours.

**Bibliography**

**Mandatory bibliography**

1. Online video materials developed by the course director in the form of problem solving in econometric software Gretl on the online platform 24 hours a day, related to the learning outcome 3 and 4.
2. On-line materials developed by the course director in the form of video lectures that are available on the online platform 24 hours related to learning outcomes 1 and 2.
3. Digital scripts created for the needs of the course by the lecturers that are available on the e-learning of Moodle related to learning outcomes 1 and 2.
4. Exercise tasks developed by the course director available on the Moodle e-learning platform related to outcomes 3 and 4

5. W. Enders, Applied Econometric Time Series, 4th edition, John Wiley and Sons, 2014. related to learning outcomes 1 and 4
6. H. Lutkepohl, New Introduction to Multiple Time Series Analysis, Springer-Verlag, 2005. related to learning outcomes 1 and 2.

**Additional bibliography**

1. J.D.Hamilton, Time Series Analysis, Princeton, 1994
2. D. Hendry, Dynamic Econometrics, Oxford University Press, 1995
3. R. Harris, R. Sollis, Applied Time Series Modelling and Forecasting, John Wiley and Sons, 2003.

**Additional information on the course**
**CURRICULUM IMPLEMENTATION PLAN**

Course unit code	<b>200317 (EC1305)</b>		
Course unit title	<b>GAME THEORY</b>		
<b>GENERAL INFORMATION</b>			
Study programme	<b>Graduate Study Program in Economics (on-line study)</b>	Year	<b>I</b>
Director of the course and assistant	<b>Daniel Tomić, PhD</b> Associate Professor of Economics Email: <a href="mailto:dtomic@unipu.hr">dtomic@unipu.hr</a>		
Course status <sup>20</sup>	<b>x</b>	<b>Mandatory</b>	<b>Elective</b>
Place of teaching		<b>On-line study</b>	<b>Language</b> <b>English</b>
Credits allocated and type of lectures			
		Winter semester	Summer semester
ECTS students workload			<b>6</b>
Number of hours per semester			<b>60 (30L + 30S)</b>
<b>Course objectives, teaching and learning methods and learning outcomes</b>			
<p>Game theory is a graduate course that teaches the fundamentals of conflict between rational decision-making agents. It acquaints students with the study of statistical decision theory (strategic thinking, backward induction), economics and business (auctions, pricing, bargaining, adverse selection, signaling, cooperation), political science (dominance, stability of government, conflict) and philosophy (morality and social norms) and other areas (sociology, biology, medicine) as to analyze important concepts such as Nash equilibrium, Bayesian equilibrium dominance, evolutionary stability, commitment, credibility and cooperation.</p> <p>The course objective is to provide insights into Game theory logic of decision making, mostly in economics and business. It provides a basic understanding and application of strategic thinking within 'game framework' as to help decision-makers to secure themselves the best outcomes in different strategic situation that involve conflict of interest.</p> <p>The course involves regular lectures, visiting lectures, counseling and continuous assessment tools while students are obliged to (1) attend 60% of lectures/seminars, (2) write and present individual task (essay/seminar or paper/critical assessment), (3) pass final exam.</p> <p>Learning outcomes for this course are following:</p>			

- To understand the role of relevant Game theory concepts such as dominant strategy, Nash strategy, dominance, credibility, conflict, cooperation, negotiation and etc. in strategic decision-making.
- To build a constructive basis for the development of student perception according to the theoretical assumptions of Game theory as well as according to its practical application in business.
- By evaluating the relevant competitive and cooperative factors in different decision-making problems, point out the importance of structuring and analyzing economic problems in a quantitative perspective.
- Prioritize the understanding of the criteria for recognizing strategic and non-strategic decisions, distinguishing between appearances and reality in economic forms, attitudes and preferences, but also the problems of perception, rationality, inference and articulation of the most important economic dilemmas in appropriate intellectual context.
- Investigate Game theory by interpreting strategic behavior at the individual level (consumer, producer or a multitude of companies in the single market) or at the aggregate level (monetary policy behavior, market management, choice theory, etc.).
- By reviewing theoretical and practical economic problems with the construction of examples, enable the assessment of analytical judgment and reasoning that is necessary in the real business world and strategic interaction.

**Requirements, correspondence and correlativity**

Knowledge of basic Mathematics is necessary and some basic knowledge of Economics is preferable but not mandatory. Course Microeconomics, Microeconomics II and/or Intermediate microeconomics are also preferable. Correlativity: Mathematics, Microeconomics, Advanced microeconomics.

**Course content (list of topics)**

The course will focus on the following topics:

1. Historical analysis of the contribution of Game theory in science and practice.
2. Introduction to Game theory and its applicability in economics.
3. Static games with perfect information.
4. Extensive games with perfect information.
5. Strategic games with imperfect information.
6. Solution concepts - simultaneous games with pure strategies.
7. Solution concepts - simultaneous games with mixed strategies.
8. Game theory, uncertainty and information.
9. Game theory and classic oligopoly models.
10. Credibility in Game theory.
11. Negotiation, auctions and pricing.
12. Evolutionary Game theory.
13. Analysis of possible strategic moves.
14. Practical application of Game theory in economic and business.

**Modes of instruction and acquiring knowledge (mark in bold)**

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**
**Assessment and evaluation of students (mark in bold)**

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
Written exam	Oral exam	<b>Essay</b>	<b>Research</b>

Project	Continuous assessment	Report	Practical work	
<b>Assessment breakdown within the <i>European credit transfer system</i></b>				
REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	45	1-5	1,6	10%
Continuous Assessment and Essay/Seminar	38	1-5	1,4	40%
Oral Exam	85	1-5	3,0	50%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>
<p>According to the <i>Code of evaluation</i> the final grade is obtained as follows:</p> <p>A = 90 – 100% 5 (excellent)                      B = 80 – 89,9% 4 (very good)                      C = 70 – 79,9% 3 (good)                      D = 50 – 69,9% 2 (sufficient)</p> <p>Additional clarifications (evaluation criteria):</p> <p>Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.</p> <p>Students are required to write individually a seminar that has the characteristics of a critical review and economic reasoning. The topic is assigned by the professor; the student must fulfill this obligation and submit the work in word format for assessment and confirmation of quality. Based on the quality of the written work, the student achieves up to 40% share in the final grade:                      - if the student covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 21-40%; if he/she partially covered the proposed topic in the paper, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-20% share in the grade.</p> <p>The last aspect of the assessment is formed on an on-line oral part of the exam that is based on up to 5 questions (plus sub-questions) from lectures and related topics of seminars and as well as selected issues from the required literature; making it 50% of the total share in the final grade. The exam is graded positively if the student has achieved at least 50% of the total number of points within an oral exam. The final grade for the course is obtained by summing the achieved percentages during on-line consultations and individual work, the quality of the seminar and an on-line oral part of the exam.</p> <p>The seminar obligation and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.</p> <p>Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.</p>				
<b>Student obligations</b>				
<p>To pass the course, a student must:</p> <ol style="list-style-type: none"> <li>Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of the seminar, as well as for the preparation for the oral part of the exam, in the case of absence within an on-line class</li> <li>Prepare the seminar paper with an emphasis on the critical aspect according to the instructions (submitted work is an obligatory condition for taking the final exam)</li> </ol>				



3. Attend final on-line oral exam
<b>Exam and colloquium deadlines</b>
Listed at the beginning of the academic year on the FET and ISVU websites.
<b>Weekly schedule of on-line activities</b>
Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-4 (estimated time load: 15 hours) Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 5-8 (estimated time load: 15 hours) Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 9-12 (estimated time load: 15 hours) Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 13-14 and writing a given seminar paper (estimated time load: 15 hours) Week 5: Studying and writing the seminar (estimation of time load: 23 hours) Week 6: Preparation for the final on-line oral exam (estimated time load: 85 hours)
<b>Bibliography</b>
<b>Mandatory bibliography</b>
<ul style="list-style-type: none"> <li>- Osborne, M. J. (2004): <i>An Introduction to Game Theory</i>, Oxford University Press. (correlation with learning outcomes: 1-6)</li> <li>- On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-6)</li> </ul>
<b>Additional bibliography</b>
<ul style="list-style-type: none"> <li>- Dixit, A., Skeath, S. and Reiley, D. H. (2009): <i>Games of Strategy</i>, W.W. Norton, 3<sup>rd</sup> edition, New York.</li> <li>- Gibbons, R. (1992): <i>Game Theory for Applied Economists</i>, Princeton University Press.</li> <li>- Mas-Colell, A., Whinston, M. D. and Green, J. R. (1995): <i>Microeconomic theory</i>, Oxford University Press.</li> <li>- Binmore, K. (2007): <i>Game Theory: A Very Short Introduction</i>, Oxford University Press.</li> </ul>
<b>Additional information on the course</b>
Any available literature that deals with topics in microeconomics can be used alternatively.  The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.  Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.  The commission exam, which the student takes for the 8 <sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.  Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobrila in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.

CURRICULUM IMPLEMENTATION PLAN			
Code and course title	Behavioral economics		
Teacher	Associate professor Saša Stjepanović		
Study program	Graduate University study "Applied Economics"		
Type of course	Mandatory	Course level	Graduate
Semester	Winter	Year of study	I.



Place of performance	Classroom	Language	English		
ECTS points	6	Number of hours per semester	60 (30 L, 15 S, 15E)		
Prerequisites for enrollment and for mastering	There are no prerequisites for enrolling in the course.				
Correlation	Behavioral economics, Business finance, Consumer behavior, Game theory...				
Course objective	Introducing students to advanced techniques, models and methods of behavioral economics, as a prerequisite for later use in finance, marketing, management, public finance.				
Learning outcomes	<ul style="list-style-type: none"> <li>- Recognize and understand the development and emergence of behavioral economics.</li> <li>- Acquire competencies necessary for independent interpretation of social phenomena and processes in the economy</li> <li>- Recognize and evaluate the economic implications of the behavior of theoretical models.</li> <li>- Explain important concepts related to behavioral economics.</li> <li>- Understand perspectives in economic development based on alternative theories versus classical ones.</li> </ul>				
Course content	<ul style="list-style-type: none"> <li>- Introduction to the course; Behavioral science, behavioral economics.</li> <li>- The historical context of the emergence of behavioral economics.</li> <li>- Basic ideas of behavioral economics.</li> <li>- Advanced heuristics for complex selections</li> <li>- Choice with risk, choosing when to act.</li> <li>- Advanced game theory,</li> <li>- Advanced Bayesian approach,</li> <li>- Advanced theory of motivation and probability,</li> <li>- Advanced optimization model</li> <li>- Neuroeconomics</li> </ul>				
Planned activities, learning and teaching methods and evaluation methods (alternative acquisition stated in student obligations)	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>ECTS*</b>	<b>Maximum grade share (%)</b>
	Attendance L, S	1-5	45	1,6	10
	Seminar paper	1-5	38	1,4	40
	Colloquium (2) or final exam	1-5	85	3,0	50
	In total		168	6	100
	Additional clarifications (evaluation criteria):  The student is obliged to prepare and submit a seminar and present it. If the student has submitted a seminar and has not exhibited or vice versa, he achieves 0 points; therefore it is necessary to submit the paper (in Word) and present it through a ppt presentation. The student is obliged to take both colloquia (a full-time student who achieves an average of more than 50% of points in the colloquium may be exempted from writing the written part of the exam).  Students are required to adhere to the deadlines for teaching and presenting the seminar. Unjustified non-compliance with the deadlines will result in a negative grade (0 points) for the activity to be performed. If there are justified				

	<p>reasons (illness or some other more serious reasons), students are required to contact the professor, with evidence of the justification of the reasons.</p> <p>At the end of the semester, fulfilled student obligations, completed colloquia, the overall student performance during classes is assessed, according to the European Credit Transfer System.</p> <p>The final grade of the student is determined according to the following formula:</p> <p>GRADE = 50% seminar and presentation + 50% colloquium (two colloquia) or exam                  where is:</p> <p>In order to achieve a positive grade from the written part of the course, a student must pass both colloquia with a positive grade or pass a written exam. If only one colloquium is graded positive, the student must take the exam. The first part of the exam is taken in writing and the second part orally. Seminar work and activities in the current year are recognized no later than the end of the next academic year.</p> <p>The student is required to attend exercises, where he is required to participate in certain experiments, the results of which need to be presented.</p>
Student obligations	To pass the course, a student must: <ul style="list-style-type: none"> <li>• write, submit and present a seminar paper</li> <li>• Participate and present the results of the experiment</li> <li>• Take both colloquia or exams</li> <li>• The exam is taken in writing and after the written part orally</li> </ul>
Exam and colloquium deadlines	They are published at the beginning of the academic year on the faculty websites.
Other important facts related to the course	-
Literature	Required: <ol style="list-style-type: none"> <li>1. Ogaki, M. Tanaka, S. (2017). Behavioral Economics - Toward a new economics by integration with traditional economics, Springer.</li> </ol> Elective: <ol style="list-style-type: none"> <li>1. Ghisellini, F, Chang, B (2018), Behavioral economics - moving forward, Palgrave macmillan</li> <li>2. Levine, D. (2012). Is Behavioral economics doomed? The ordinary versus the Extraordinary, OpenBook.</li> </ol>

### CURRICULUM IMPLEMENTATION PLAN

Course unit code and course name	Economics of Migrations and Aging		
Professor	Sanja Blažević Burić, Associate Professor <a href="https://fet.unipu.hr/fet/sanja.blazevic_buric">https://fet.unipu.hr/fet/sanja.blazevic_buric</a>		
Study programme	Graduate Programme of Economics		
Course status	Mandatory	Course level	Graduate
Semester	Summer	Year	1st

Location	On-line	Language	English language		
ECTS	6	Number of hours per semester	30L – 30S		
Prerequisites	There are no prerequisites for enrollment. Prerequisites for mastering the course are continuous work and execution of given commitment during the semester.				
Correlativity	Faculty of Economics Zagreb, Demography (Faculty of Economics Ljubljana), Economics of Migration (Barcelona Graduate School of Economics), Ageing in Society (The University of Melbourne).				
Course objectives	To enable students to think critically about migration trends and the aging of the population and the consequences that arise for both the economy and society as a whole. Acquisition of knowledge, skills and competencies for proper definition and analysis of migration and demographic trends (in the context of population aging) and application of acquired knowledge for the purpose of critical reflection.				
Learning outcomes	<ul style="list-style-type: none"> <li>- Analyze historical mechanical and natural global movements</li> <li>- Understand changes due to continuous migration and demographic developments</li> <li>- Think critically about the adaptation of economies to mechanical and natural movements</li> <li>- Compare and analyze differences in institutions and policies between selected countries</li> </ul>				
Course content	<ul style="list-style-type: none"> <li>- Basic concepts - mechanical and natural movements of people.</li> <li>- History of international migrations.</li> <li>- Economics of migration: adjustment of migrants to the labor market.</li> <li>- Economics of migration: the impact of migration on income distribution.</li> <li>- Economics of migration: the impact of migration on the fiscal system.</li> <li>- Economics of migration: Formation of the human capital.</li> <li>- The future of the EU in the context of migration trends.</li> <li>- Demography: recognizing the economics of aging.</li> <li>- Pensions and the economy.</li> <li>- Intergenerational transfers and savings habits.</li> <li>- Economics of aging: the impact of population aging on the fiscal system.</li> <li>- Changes in family structure and aging.</li> <li>- Poverty and aging.</li> <li>- Macroeconomic response to the change in the age structure of the population - public policy measures.</li> <li>- Population aging and impact on the health system.</li> </ul>				
Planned activities, methods of learning and teaching and methods of evaluation	<b>Obligations</b>	<b>Outcomes</b>	<b>Hours</b>	<b>Share in ECTS (%)</b>	<b>Max share in grade (%)</b>
	Research project	1-4	30	1,5	25
	Oral presentation	1-4	10	0,3	5

	Mid-term exams I and II or final written exam	1-4	128	4,2	70
	Total		168	6	100
	<p>Additional clarifications (grading criteria):</p> <p>The research project consists of making a case-study on the particular country that will be determined by the professor to each of the students. The maximum share in the grade carried out by this research project is 25%, with following division by Croatian grades: grade "sufficient" (local grade: 2) is 12.5% of the grade; grade "good" (local grade: 3) is 17.5% of the grade; grade "very good" (local grade: 4) is 22.5% of the grade and grade "excellent" (local grade: 5) is 25% of the grade. The research project must be submitted (by uploading it to the e-learning platform) until the 1<sup>st</sup> mid-term exam.</p> <p>Oral presentation relates to the presentation of the research project is carried in front of the auditorium and it carries max 5% of the grade.</p> <p>Students have at their disposal the available digital literature in the form of a digital script, classical literature that can be obtained by mail from the University or Faculty Library, and video lectures subtitled to different world languages. Materials in e-form are available through the Moodle learning management system</p> <p>During the semester, two mid-term exams will be held (in the middle and by the end of the semester) each with 35% of the grade. All students can access the exam. Passing the mid-term exam means that a student has made a minimum of 50% of the total points of the mid-term exam or 17,5% of the grade.</p> <p>Students who do not attend the mid-term exam will go to the final written exam that carries 70% of the grade. Students passing 1<sup>st</sup> or the 2<sup>nd</sup> mid-term exam will not have those covered topics in the final exam. Students who pass both mid-term exams may be exempt from the final exam, if they so decide.</p> <p>Knowledge assessment takes place exclusively electronically in an online environment on the Moodle platform using Safe Exam Browser (and additional platforms such as ExamView, BookWidget, Remark Test Grading,...) through online exams with student identity verification, one-time test solving, password protection, with limited time, defined IP address, etc.</p> <p>The student's final grading is done on the basis of the final achievement, i.e. the sum of the grade obtained during the course and the grade on the final exam as follows:</p> <p>Excellent – 89% to 100%,                  Very good – 76% to 88.9%,                  Good – 63% to 75.9% rating,                  Sufficient - 50% to 62.9%.</p>				
Students` obligations	To complete the course, a student must: <ol style="list-style-type: none"> <li>1. Create a research project which should be positively graded.</li> <li>2. Successfully pass both of the mid-term exams or the final exam.</li> <li>3. Collect min. 50% of the grade in the overall grading</li> </ol>				

Exam dates	Exam dates are announced at the beginning of the academic year at Studomat. Mid-term exam dates will be given to the students in a timely manner, at least one month before the exam.
Other important facts related to the course	Students are required to respect the academic ethical principles that are regulated by the Statute of the Juraj Dobriša University of Pula and other relevant documents. Registrations and withdrawals of exams are done exclusively through the ISVU service.
Weekly schedule of online activities	<p><u>Week 1</u> video lectures and presentations as well as digital scripts on the topic of basic concepts - mechanical and natural movements of people, history of international migration and adaptation of migrants in the labor market. Analyzing policies of individual countries. Estimation of time load for students: 20 h</p> <p><u>Week 2</u> - video lectures and presentations as well as digital scripts on the impact of migration on income distribution, fiscal system and human capital formation (theory of human capital flight) Estimation of time load for students: 25 h</p> <p><u>Week 3</u> - video lectures and presentations as well as digital scripts on the future of the EU in the context of migration trends. Introduction to the topic of demography and recognition of the economics of aging and the issue of pension systems. Estimation of time load for students: 33 h</p> <p><u>Week 4</u> - video lectures and presentations as well as digital scripts on the topic of intergenerational transfers and savings habits, the impact of population aging on the fiscal system and the impact of aging on changes in family structure and vice versa. Estimation of time load for students: 25 h</p> <p><u>Week 5</u> - video lectures and presentations as well as digital scripts on the interdependence of the phenomenon of aging and poverty, macroeconomic response to changes in the age structure of the population - public policy measures of selected economies and the interdependence of population aging and health system. Estimation of total time load for students: 25 h</p> <p>Preparation for an oral presentation of research projects (continuously through weeks) - estimation of total time load for students: 10 h Writing a research project on a given topic (continuously through the weeks) - estimation of the total time load for students: 30 h Preparation for colloquia / exam (continuously over weeks)</p>
Literature	<p>Mandatory:</p> <ul style="list-style-type: none"> <li>- <b>Online materials</b> in the form of video lectures available on the Moodle online platform with the possibility of viewing (subtitles) in several world languages. <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> <li>- <b>Digital script</b> is available as material on the e-learning portal and is adjusted annually in accordance with changes in the field of economic methodology. <ul style="list-style-type: none"> <li>o Related to learning outcomes number 1-4</li> </ul> </li> </ul> <p>Optional:</p>



	<ol style="list-style-type: none"> <li>1. Chiswick, B., Miller, P.W. (ed.) (2015.) <b>Handbook of the Economics of International Migration, Vol. 1A The Immigrants</b>, North-Holland, Amsterdam. Related to learning outcomes number 1-4</li> <li>2. Chiswick, B., Miller, P.W. (ed.) (2015.) <b>Handbook of the Economics of International Migration, Vol. 1B The Impact and Regional Studies</b>, North-Holland, Amsterdam. Related to learning outcomes number 1-4</li> <li>3. Kune, J.B. (2003.) <b>On Global Aging. Old-Age Income Systems in the EU and Other Major Parts of the World</b>, Physica-Verlag, Amsterdam. Related to learning outcomes number 1-4</li> <li>4. Piggott, J., Woodland, A. (ed.) (2016.) <b>Handbook of the Economics of Population Aging, Vol 1A</b>, North-Holland, Amsterdam. Related to learning outcomes number 1-4</li> <li>5. Schulz, J.H. (2001.) <b>The Economics of Aging</b>, 7<sup>th</sup> ed., Auburn House, Connecticut. Related to learning outcomes number 1-4</li> <li>6. Wise, D.A. (ed.) (2010.) <b>Research Findings in the Economics of Aging</b>, The University of Chicago Press, Chicago. Related to learning outcomes number 1-4</li> </ol>
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CURRICULUM IMPLEMENTATION PLAN			
Course code and name	AI and the digital economy UI...		
Teacher/teacher Associate/Contributor (with link to network p.)	<a href="#">Prof.dr.sc. Marinko Škare (holder)</a> <a href="#">Doc.dr.sc. Sven Maričić</a> <a href="#">Doc.dr.sc. Katarina Justić</a>		
Study program	Graduate studyprogramme ; Application of ekonomia and Business economy		
Course Type	Regular	Course Level	Undergraduate
semester	winty	Year of study	AndI
Run Location	Online environment	Run language (other languages)	Croatian
Number of ECTS credits	6	Number of hours per semester	60 (30 P, 30 S, 0V)
Prerequisites for enrollment and mastery	No preconditions for course enrolment		
Correlativeness	Industrial Organization and Analysis, Digital Business, Innovation Economics and IT		
Course objective	Train students to apply acquired skills and abilities in the field of digital economy where economic laws continue to apply. Explore and analyze economic information with the aim of defining an optimal information		

	management strategy through the context of strategy, structure and evaluation of information in the digital market. Formulate a model and system of understanding, the impact of artificial intelligence (AI) in the digital market.				
Learning outcomes	12. Be able to define and identify fundamental economic problems and issues in the digital market. 13. Be able to apply sovereignly the ability to interpret and analyze the economic problems of digital markets through the presentation of economic arguments to a broad auditorium. 14. Express economic ideas orally and in writing in order to be understandable to the academic public, the daily press and the media, to participate in economic debates and to be able to present complex economic problems to the general public who do not have economic qualifications in the conditions of the digital economy. 15. Apply software (MS Excel, Vensim and other software used in economic and technical analyses) in the preparation of economic analyses necessary when making decisions in micro and macro digital markets. 16. Participate in argumentative debates on important economic issues such as artificial intelligence and its impact on digital markets, emerging forms of digital technologies, business models and industrial structures, pricing strategies and business policies in digital markets.				
Course content	33. Technological change, population and growth, Price strategy of information goods. 34. Socio-economic implications of the development of artificial intelligence and robots. 35. Growing productivity and the problem of its distribution between labor and capital. 36. DigitalRevolution, Platform Economics. 37. Differential pricingstrategies, signaling and screening information. 38. Two-sided networks and platformcompetition, Zero pricing strategy. 39. Bitcoin andencryption, cryptocurrency markets. 40. Information asymmetrics in digital markets, Buying, sharing and renting information goods. 41. Connectivity and competition on the Internet market.				
Planned activities, learning and teaching methods and ways of evaluating (indicate alternative acquisition in student obligations)	<b>commitments</b>	<b>Outcome s</b>	<b>hour s</b>	<b>ECTS*</b>	<b>Maximum share of the rating (%)</b>
	Attendance S and P	1-5	45	1,6	10
	Seminar paper and essay	1-5	38	1,4	40
	Koloquium (2) or final exam	1-5	85	3,0	50
	altogether		168	6	100
	Additional clarifications (evaluation criteria):  For the preparation of this course, the student has available digital literature in the form of a digital book and script, classical literature that he can obtain by post from the university or faculty library, video lectures that are adapted (subtitles) to different world languages. All these materials are available through moodle learning management system . The student is obliged to create and submit a seminar. The student has the option of taking two colloquiums (a student who achieves				

	<p>an average of more than 50% of the points on the colloquium can be exempt from writing the final exam).</p> <p>Upon completion of the semester, the fulfilled obligations of the student, completed colloquiums, the <b>overall performance of the student during the course of teaching</b> is evaluated, and according to the European Credit Transfer System.</p> <p>The final assessment of the student is determined according to the following formula:</p> <p style="text-align: center;"><b>RATING = 50% seminar and essay + 50% colloquium (two colloquiums) or exam</b></p> <p>where is:</p> <p>Student in order to achieve a positive grade in the course should pass both colloquiums positively or pass a written exam.</p> <p>Knowledge assessment will be carried out exclusively electronically in an online environment on the moodle platform using safe exam browsers, (and additional platforms such as exam view, book widgets, grading test, ...), through an online exam confirming the identity of students, as a one-time resolution of the test, by protecting the test with a password, for a limited time, a defined IP address, etc.</p> <p>Seminar work and activities in the current year are recognized no longer than the end of the next academic year.</p> <p>The student is obliged to attend exercises, where he is obliged to participate in certain experiments, the results of which need to be made and submitted in writing.</p>
Student obligations	<p>To pass the course, the student must (what and until when*):</p> <ul style="list-style-type: none"> <li>▪ write, submit a seminar paper and essay</li> <li>▪ Create a specific experiment and submit it in writing</li> <li>▪ take both colloquiums or the final exam</li> <li>▪ exam is taken in writing or in an online environment</li> </ul>
Exam deadlines and colloquium	<p>They are published at the beginning of the academic year on the FET and ISVU website.</p>
Weekly schedule of online activities	<ol style="list-style-type: none"> <li>19. Week – Study and review video lectures and powerpoint presentations, and digital scripts and books related to technological change, population and growth, Price strategy of information goods, Socio-economic implications of the development of artificial intelligence and robots. Estimate of time load: 15 hours.</li> <li>20. Week - Solving interactive tasks through the moodle platform. Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and books related to Growing Productivity and the problem of its distribution between work and capital, Digital Revolution, Platform Economics. Estimation of time load: 20 hours.</li> <li>21. Week – Studying literature and writing a given seminar paper and essay. Studying and reviewing video lectures and PowerPoint presentations, and digital scripts and books related to Differential Pricing Strategies, Signaling and Screening Information, Two-Sided Networks and Platform</li> </ol>

	<p>Competition, Zero Pricing Strategy, Bitcoin and Encryption, Cryptocurrency Markets. Estimation of time load: 30 hours.</p> <p>22. Week - Create one of the default experiments. Studying and reviewing video lectures and PowerPoint presentations, as well as digital scripts and books related to information asymmetries in digital markets, Buying, sharing and renting information goods. Estimation of time load: 20 hours.</p> <p>23. Week - Studying literature and writing a given seminar paper and essay. Study and review video lectures and PowerPoint presentations, as well as digital scripts and books related to Connectivity and Competition on the Internet Marketplace. Solving interactive tasks through the moodle platform. Estimation of time load: 20 hours.</p> <p>24. Preparing for the final exam. Estimate time-laden: 63 hours.</p>
literature	<p>obliged:</p> <p>25. Online materials in the form of video lectures that are available on the online platform 24sata, and have the ability to browse (subtitles) in several world languages.</p> <p>26. Varian, H., J. Farrell, and C. Shapiro. 2004. The Economics of Information Technology: An Introduction. Cambridge, UK; The Raffaele Mattioli Lectures, Cambridge University Press. Related to learning outcomes under number 1, 2, 3, 4.</p> <p>27. Swann, G.M. P. (2009). The economics of innovation: an introduction. Cheltenham: Edward Elgar. Related to learning outcome number 5, 6, 7.</p> <p>28. Chesbrough, H.W. (2006). Chapter 1. Open Innovation: a new paradigm for understanding industrial innovation - in Chesbrough, H. W., Vanhaverbeke, W., &amp; West, J. (Eds.). (2006). Open innovation: researching a new paradigm. Oxford: Oxford University Press. Related to learning outcome number 8, 9, 10.</p> <p>29. Script made for the purposes of the course by the course holder which is located as an available material on e-learning or moodl. (adjusted on an annual basis by changes in the course with world novelties in the field of introduction to economics)</p> <p>30. Digital book adapted for students of distance learning courses. (adjusted on an annual basis by changes in the course with world novelties in the field of introduction to economics)</p> <p>Election:</p> <p>31. Nelson, R.R. (2004). Why and how innovations get adopted: a tale of four models. Industrial and Corporate Change 13, 679-699.</p>

CURRICULUM IMPLEMENTATION PLAN			
Course unit code			
Course unit title	ECONOMETRICS 2		
GENERAL INFORMATION			
Study programme	Graduate study program in Economics	Year	ii
Director of the course and assistant	Alen Belullo, Phd Associate Professor of Economics Email: abelul@unipu.hr		

<b>Course status<sup>21</sup></b>		X	Mandatory		<b>Elective</b>
Credits allocated and type of lectures					
			Winter semester	Summer semester	
<b>ECTS students workload</b>			<b>6</b>		
<b>Number of hours per semester</b>			<b>(30L+30S)</b>		
Course objectives, teaching and learning methods and learning outcomes					
The aim of the course is to provide students an insight into empirical methodology for analyzing time series economic data using econometric software.  Learning outcomes are following: <ol style="list-style-type: none"> <li>1. apply the correct econometric method for the analysis of economic data</li> <li>2. correctly interpret the obtained results</li> <li>3. master the proper use of econometric software.</li> </ol>					
Requirements, correspondence and correlativity					
<b>Requirements:</b> Econometrics, Statistics					
<b>Correspondence or Correlativity:</b> Econometrics, Time Series Analysis					
<b>Course content</b> (list of topics)					
<ol style="list-style-type: none"> <li>1. Econometric analysis with pooled data</li> <li>2. Econometric analysis with longitudinal data (panel)</li> <li>3. Instrumental variables</li> <li>4. Simultaneous equations</li> <li>5. Models with limited dependent variable</li> </ol>					
<b>Modes of instruction and acquiring knowledge</b> (mark in bold)					
Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet	
Distance learning	<b>Counseling</b>	Laboratory	Tutorial	Fieldwork	
<b>Student requirements</b>					
Assessment and evaluation of students ( <b>mark in bold</b> )					
<b>Attendance</b>	<b>Class participation</b>	<b>Seminar paper</b>	Experimental work		
<b>Written exam</b>	<b>Oral exam</b>	Essay	Research		
Project	<b>Continuous assessment</b>	Report	Practical work		
<b>Assessment breakdown within the European credit transfer system</b>					
REQUIREMENTS		HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class attendance at classes and seminars		45	1,2,4	1.6	10%
Continuous Assessment		28	1-2	1	20%



Seminar Paper/ Research	67	3-4	2.4	30%
Written Exam	28	1-3	1	40%
<b>Total</b>	168		6	100%

According to the *Code of evaluation* the final grade is obtained as follows:

A = 90 – 100% 5 (excellent)

B = 80 – 89,9% 4 (very good)

C = 70 – 79,9% 3 (good)

D = 50 – 69,9% 2 (sufficient)

**Attendance at classes and seminars:**

The student gets% of share in grade depending on% how many times he was present in online classes. The student is expected to be actively involved in the discussion during the online lecture and presentation of seminar papers. Attendance is checked via a code scan in Moodle.

**Continuous Assessment:**

In order to motivate continuous learning of students to make it easier to follow the material in lectures, 2 short unannounced tests (10% each) will be organized in online environments on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address. Independent task.

**Seminar Paper/Research:**

An independent assignment consists of a written assignment. Papers must be in written form; the student must apply the correct research method and correctly interpret the results obtained. The written part of the independent task brings a maximum of 20% of share in grade and is submitted for evaluation in the Moodle system. The student must prepare a power point presentation and present it online in front of the whole class. By presenting an independent task, the student achieves up to a maximum of 10% of share in grade.

**Written exam:**

Student writes a written exam consisting of a theoretical part that brings 10% share in grade and practical solving of one task in Gretl that brings 30% share in grade. The written exam is solved in an online environment, on the Moodle platform, with verification of student identity protected by a password, with limited time and defined IP address.

At the end of the semester, the student's overall performance during classes is assessed, according to the European Credit Transfer System.

A student who does not achieve 50% of share in grade through activities during classes can pass the exam through the final exam, whereby the percentages of activities that he may have achieved during classes are deleted.

Passed the final exam is considered a test in which the student has achieved at least 50% of the total number of points.

**Student obligations**

To pass the course, the student must:

1. Continuously learn and prepare for tests
2. Make a written assignment and present it to the class
3. Pass the colloquium or final exam

**Weekly schedule of online activities**

Week 1 - Study and review of digital scripts, power point presentations and books related to Time Series Analysis, repetition of basic concepts in Statistics, Matrix Linear Algebra, Mathematical Simulations and Basic Econometrics. Estimation of time workload 20 hours.

Week 2 - Studying the literature, reviewing video lectures and power point presentations related to models with pooled and panel data . Estimation of time workload 20 hours.

Week 3 - Literature study, video review and power point presentations related to models with instrumental variables, simultaneous equations, and limited dependent variable models. Workload estimate 20 hours.

Week 4 - Study the literature, browse online video problem solving in the Gretl econometric software, solve all tasks independently online. Workload estimation 20 hours.

Week 5 - Study the literature, collect data and analyze them in the econometric software Gretl for research purposes; write a seminar paper, prepare a presentation and present the same online to the class. Workload estimate 35 hours.

Week 6 - Preparation for the theoretical and practical part of the colloquium or final exam. Estimation of time load 53 hours.

### Bibliography

#### Mandatory bibliography

1. Online video materials developed by the course director in the form of problem solving in econometric software Gretl on the online platform 24 hours a day, related to the learning outcome 3 and 4.
2. On-line materials developed by the course director in the form of video lectures that are available on the online platform 24 hours related to learning outcomes 1 and 2.
3. Digital scripts created for the needs of the course by the lecturers that are available on the e-learning of Moodle related to learning outcomes 1 and 2.
4. Exercise tasks developed by the course director available on the Moodle e-learning platform related to outcomes 3 and 4
5. Wooldridge, J., Introductory Econometrics: A Modern Approach, Fifth ed., South-Western Pub., 2012. ., related to 1 i 2. learning outcomes
6. Gujarati, D., Basic Econometrics, McGraw-Hill Higher Ed., Sixth ed., 2009., related to 1 i 2. learning outcomes

#### Additional bibliography

1. Wooldridge, J., Econometric analysis of cross section and panel data, MIT press, London, 2002.

#### Additional information on the course

CURRICULUM IMPLEMENTATION PLAN				
Course unit code	202476 (EC7355)			
Course unit title	MACROECONOMIC MANAGEMENT			
GENERAL INFORMATION				
Study programme	Graduate Study Program in Economics (on-line study)	Year	II	
Director of the course and assistant	Prof.dr.sc. Marinko Škare izv.prof.dr.sc. Daniel Tomić izv.prof.dr.sc. Dean Sinković			
Course status <sup>22</sup>	Mandatory	x	Elective	
Place of teaching	On-line study		Language	English

Credits allocated and type of lectures		
	Winter semester	Summer semester
<b>ECTS students workload</b>	<b>6</b>	
<b>Number of hours per semester</b>	<b>60 (30L + 30S)</b>	
Course objectives, teaching and learning methods and learning outcomes		
<p>The aim of the course is to acquaint students with the instruments and models of economic policy pointed towards establishing a balance in macroeconomic surrounding, enabling the functioning of public administration institutions, the banking system and international institutions, all within in an academic framework that will help students gain a macro view of the economic issues on the national and international level.</p> <p>Learning outcomes for this course are following:</p> <ol style="list-style-type: none"> <li>1. To provide students with a solid knowledge on the functioning of the economy as a system, especially on the understanding of a relatively new concept of macroeconomic management.</li> <li>2. Define, explain and compare scientific and professional contributions and ideas of different approaches on managing economic systems across modern history.</li> <li>3. Identify the diversity of social, economic, political and institutional characteristics that determine the macroeconomic goals and strategies of economic management, i.e. economic policy.</li> <li>4. Interpretation of contemporary economic problems through frameworks, concepts, tools, models and solutions of various economic policies.</li> <li>5. Evaluation of macroeconomic management through various aspects of macroeconomic regulation with construction of examples that will evaluate the acquired knowledge by solving many theoretical and pragmatic economic problems.</li> <li>6. Elaboration of all knowledge acquired by students within under- and graduate study in the direction of building an economist who masters the economic issues of economic theory and analysis.</li> </ol>		
Requirements, correspondence and correlativity		
<p>Knowledge of basic Economics is necessary and some basic knowledge of Econometry is preferable but not mandatory. Course Microeconomics, Macroeconomics, Monetary economics, Fiscal policy and International economics are also preferable. Correlativity: Advanced Macroeconomics, Advanced microeconomics.</p>		
Course content (list of topics)		
<p>The course will focus on the following topics:</p> <ol style="list-style-type: none"> <li>1. What is macroeconomic management?</li> <li>2. Methods of economic analysis.</li> <li>3. Micro and macro aspects of economic policy.</li> <li>4. Sustainability of current account deficit and capital flight.</li> <li>5. Sustainability of high public debt.</li> <li>6. Sources of economic growth, Investments.</li> <li>7. Inflation targeting.</li> <li>8. Exchange rate policy.</li> <li>9. Functioning of monetary systems.</li> <li>10. Fiscal policy within macroeconomic management.</li> <li>11. Fiscal sustainability in the macroeconomic sphere.</li> <li>12. Question: open or closed economy?</li> <li>13. Political economy and addressing issues of economic progress.</li> <li>14. Challenges facing economic growth and development in a global economy.</li> <li>15. Objectives, instruments, state and policy.</li> <li>16. Recovery and economic growth.</li> <li>17. Macroeconomic management and fine-tuning policy.</li> </ol>		
Modes of instruction and acquiring knowledge (mark in bold)		

Lectures	Seminars and workshops	<b>Exercises</b>	<b>Individual tasks</b>	Multimedia and internet
Distance learning	Counseling	Laboratory	Tutorial	Fieldwork

**Student requirements**
**Assessment and evaluation of students (mark in bold)**

Attendance	<b>Class participation</b>	Seminar paper	Experimental work
Written exam	Oral exam	<b>Essay</b>	<b>Research</b>
<b>Project</b>	<b>Continuous assessment</b>	Report	Practical work

**Assessment breakdown within the European credit transfer system**

REQUIREMENTS	HOURS (estimation)	LEARNING OUTCOMES	SHARE IN ECTS	SHARE IN GRADE
Class Participation (and counseling)	45	1-6	1,6	10%
Continuous Assessment and Essay/Seminar	38	1-6	1,4	40%
Oral Exam	85	1-6	3,0	50%
<b>Total</b>	<b>168</b>		<b>6</b>	<b>100%</b>

According to the *Code of evaluation* the final grade is obtained as follows:

- A = 90 – 100% 5 (excellent)
- B = 80 – 89,9% 4 (very good)
- C = 70 – 79,9% 3 (good)
- D = 50 – 69,9% 2 (sufficient)

Additional clarifications (evaluation criteria):

Activity: Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of an essay, as well as for the preparation for the written part of the exam, in the case of absence within an on-line class. An on-line counseling is evaluated as an alternative to attending on-line classes and students can achieve up to 10% share in the final grade.

Students are required to write individually a seminar that has the characteristics of a research paper, critical review and economic reasoning. The topic is assigned by the professor; the student must fulfill this obligation and submit the work in word format for assessment and confirmation of quality. Based on the quality of the written work, the student achieves up to 40% share in the final grade:

- if the student covered all the necessary subtopics, used the proposed literature, and wrote a quality paper that contains a critical aspect, reasoning and at the same time encourages relevant discussions, he/she achieves 21-40%; if he/she partially covered the proposed topic in the paper, did not use all the proposed literature and the paper lacks critical aspect and economic reasoning, he/she can achieve 0-20% share in the grade.

The last aspect of the assessment is formed on an on-line oral part of the exam that is based on up to 5 questions (plus sub-questions) from lectures and related topics of seminars and as well as selected issues from the required literature; making it 50% of the total share in the final grade. The exam is graded positively if the student has achieved at least 50% of the total number of points within an oral exam. The final grade for the course is obtained by summing the achieved percentages during on-line consultations and individual work, the quality of the seminar and an on-line oral part of the exam.

The seminar obligation and activity in the current academic year are recognized as fulfilled no later than the end of the next academic year.



Assessments will be done exclusively electronically in an on-line environment on the Moodle platform using a safe exam browser (and additional platforms such as Exam view, Book widgets, Remark test grading, etc.), through an on-line exam with student identity verification, as a one-time test solution, password protection of the test, with a limited time, defined IP address, etc.

#### Student obligations

To pass the course, a student must:

1. Students should attend on-line lectures (live or recorded video lectures) and/or counseling classes, as a form of preparation for the analysis and the writing of the seminar, as well as for the preparation for the oral part of the exam, in the case of absence within an on-line class
2. Prepare the seminar paper with an emphasis on the critical aspect as well as research background, according to the instructions (submitted work is an obligatory condition for taking the final exam)
3. Attend final on-line oral exam

#### Exam and colloquium deadlines

Listed at the beginning of the academic year on the FET and ISVU websites.

#### Weekly schedule of on-line activities

- Week 1: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 1-5 (estimated time load: 15 hours)
- Week 2: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 6-10 (estimated time load: 15 hours)
- Week 3: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 11-15 (estimated time load: 15 hours)
- Week 4: Studying and reviewing video lectures, ppt. presentation and multimedia content available on the on-line platform related to topics 16-17 and writing a given seminar paper (estimated time load: 15 hours)
- Week 5: Studying and writing the seminar (estimation of time load: 23 hours)
- Week 6: Preparation for the final on-line oral exam (estimated time load: 85 hours)

#### Bibliography

##### Mandatory bibliography

- Khan, M.S., S.M. Nsouli, C.H. Wong (2002): *Macroeconomic management, Programs and Policies*. Available on-line. (correlation with learning outcomes: 1-6)
- On-line materials in the form of video lectures, ppt. presentation and multimedia content available on the on-line platform (connection with learning outcomes: 1-6)

##### Additional bibliography

- Dadkhan, K. (2009): *The evolution of Macroeconomic Theory and Policy*, Springer.
- Škare, M., D. Tomić (2015): *Collected Works of Soumitra Sharma; Economics in an Awkward Corner*, FET 'Dr. Mijo Mirković u Puli, Sveučilišna knjižnica Zagreb.
- Sharma, S. (1995): *Macroeconomic management*, Macmillan, London.

#### Additional information on the course

Any available literature that deals with topics in microeconomics can be used alternatively.

The professor may revise the syllabus depending on the assessment of the capabilities of the students from the generation, the number of students or some other circumstance.

Registration and/or cancellation of final exams is done exclusively through the ISVU service or office.

The commission exam, which the student takes for the 8<sup>th</sup> time, reflects the standards of the entire course and will be held in on-line written form with review and grading by the selected Professors' Commission.

Students are required to respect the principles of academic integrity, which are regulated by the Statute of the University of Juraj Dobriša in Pula, the Regulations on Studies, the Code of Evaluation and the Code of Ethics.



Course unit code and title	CORE ECON 8403 NIS ECONOMIC ANALYSIS OF INEQUALITY AND POVERTY		
Director of the course Assistant (including a webpage link)	<a href="#">Romina Pržiklas Družeta, PhD, Assistant Professor</a>		
Study program	Applied economics, graduate university program		
Course status	Elective	Course level	Graduate
Semester	Spring	Study year	2nd
Venue	Online	Language of lecture (other languages)	English
ECTS student workload	6	Number of classes per semester	30P – 0V – 30S
Enrolment and course mastering requirements	There are no preconditions to enrol.		
Correlativity	Economic development, advanced macroeconomics		
Course objective	<p>To enable the students to understand and ponder upon the important concepts of poverty, inequality, social exclusion and economic growth and their interdependence.</p> <p>To develop a critical approach towards understanding economic processes in order to be able to enter a reasoned discussion on the economic and social implications of policies.</p>		

Learning outcomes	<p>Once the student has completed, successfully acquired and mastered the body of knowledge and skillset comprising the course, they should be able to:</p> <ul style="list-style-type: none"> <li>- understand and analyse the concept of poverty</li> <li>- analyze the interdependence of poverty, inequality and economic growth</li> <li>- understand and interpret different approaches to measuring poverty and inequality</li> <li>- understand income and economic inequality distribution</li> <li>- analyze and critically approach the role of social policies with respect to inequality and poverty</li> <li>- analyze poverty and inequality cycles.</li> </ul> <p>Associated learning outcomes at study program level:</p> <ul style="list-style-type: none"> <li>- understand and interpret different approaches to measuring poverty and inequality - related to the learning outcomes of Course no. 3</li> <li>- analyze economic inequality, poverty and economic growth - related to the learning outcomes of Course nos. 1 and 2</li> <li>- analyze the transition of economic inequality and poverty from planned to market economy - related to the learning outcomes of Course no. 6</li> <li>- analyze poverty and inequality reduction policies - related to the learning outcomes of Course no. 5</li> </ul>				
Course content	<ol style="list-style-type: none"> <li>1. Concept of poverty and welfare</li> <li>2. Measuring poverty - a multidimensional approach</li> <li>3. Measuring inequality</li> <li>4. Analysis of poverty determinants</li> <li>5. A historical perspective of economic inequality</li> <li>6. Economic inequality and poverty - transition from planned to market economy</li> <li>7. Economic growth, inequality and cycles of poverty - analysis of interdependence</li> <li>8. Poverty and inequality in Croatia and the EU</li> <li>9. Role of social policies with respect to inequality and poverty</li> </ol>				
Planned activities, learning and teaching methods and evaluation procedures	<b>Requirements</b>	<b>Outcomes</b>	<b>Classes</b>	<b>ECTS*</b>	<b>Maximum share of the grade (%)</b>
	Essay (seminar paper) with presentation	1 - 6	45	1.6	35%
	Assignment	3 - 6	63	2.2	15%
	Written exam	1 - 6	60	2.2	50%
	Total		168	6.0	100%

	<p><b>Explanation (assessment criteria):</b></p> <p>In addition to the online live lectures, students can also avail themselves of the asynchronous learning material from the Economic Analysis of Inequality and Poverty e-course available on the e-learning platform.</p> <p>Seminar paper - the topic is assigned by the course lecturer; the student is required to complete, submit and present it, acquiring a maximum share of 35% of the grade:</p> <ul style="list-style-type: none"> <li>- paper containing the basic elements of topic elaboration, submitted in writing and presented, shall be awarded a 25% grade share;</li> <li>- paper containing a more detailed topic elaboration, submitted in writing and presented, shall be awarded a 35% grade share.</li> </ul> <p>Assignment – the student independently analyzes an account from the system of national accounts and elaborates on its structure and use, acquiring a maximum share of 15% of the grade:</p> <ul style="list-style-type: none"> <li>- a solved assignment with minor revision needed shall receive up to a 10% share of the grade;</li> <li>- a correctly solved assignment shall receive up to a 15% share of the grade.</li> </ul> <p>In case there are serious omissions, the seminar paper (assignment) shall be returned to the student for correction as per the instructions received. Alternatively, the student may produce a scientific paper in lieu of the seminar paper.</p> <p>A passing test grade shall be awarded to those students who achieved at least 50% out of the total number of points.</p> <p>The final grade consists of the test, seminar paper with presentation and assignment shares of the grade. At the final exam the student takes the test not accomplished previously or to earn a better grade thereof.</p> <p>The final grade is determined as follows:</p> <ul style="list-style-type: none"> <li>5 – 89 do 100%</li> <li>4 – 76 do 88.9%</li> <li>3 – 63 do 75.9%</li> <li>2 – 50 do 62.9%</li> </ul> <p>The tests and final exams take place in a controlled environment.</p>
<p>Student requirements</p>	<p>In order to successfully master the course, the student needs to (elements and deadlines):</p> <ol style="list-style-type: none"> <li>1. Produce a seminar/scientific paper on a topic related to economic analysis of inequality and poverty and submit it before the deadline set by the lecturer; present it in agreement with the lecturer;</li> <li>2. Produce an assignment and submit it before the deadline set by the lecturer;</li> <li>3. Take the test/final exam.</li> </ol>

Exam and midterm quiz dates	Published at the beginning of the academic year on the FET and ISVU (Information System of Higher Education Institutions) websites. Test date is published on the e-course webpage together with all other relevant notices and information.
Other important course information	A successfully passed test and a completed and presented seminar paper are honored only until the end of the next academic year.
Weekly online schedule	Week1 – 5 classes - Concept of poverty and welfare
	Week2 – 5 classes - Measuring poverty - a multidimensional approach - Measuring inequality
	Week3 – 5 classes - Analysis of poverty determinants
	Week4 – 5 classes - A historical perspective of economic inequality - Economic inequality and poverty - transition from planned to market economy
	Week5 – 5 classes - Economic growth, inequality and cycles of poverty - analysis of interdependence - Poverty and inequality in Croatia and the EU
	Week6 – 5 classes - Role of social policies with respect to inequality and poverty
	Test preparation – 30 hours
	Seminar/scientific paper production and presentation – 45 hours
Assignment – 63 hours	

## Literature

Students have at their disposal the digital written and audio material with links to virtual classrooms, asynchronous lectures/exercises, presentations and class notes from the Economic Analysis of Inequality and Poverty e-course available on the e-learning platform, plus the following literature:

*Assigned reading:*

1. Haughton, J., Khandker, S.R. (2009): Handbook on Poverty and Inequality, The World Bank (chapters 1,2,3,4,6,8,9 and 10)
2. Jenkins, S.P., Micklewright, J. (2007): Inequality and Poverty Re-examined, Oxford University Press (pp.37-62, pp. 146-166 )

*Elective reading:*

1. Bhalla, A.S., Lapeyre, F. (2004): Poverty and Exclusion in a Global World, Palgrave Macmillan (selected chapters)
2. Milanović, B. (1998): Income Inequality and Poverty during the Transition from Planned to Market Economy, World Bank, Washington (pp.1-19, 40-54, 60-108)
3. J. Le Grand, C. Propper, R. Robinson (2008): The Economics of Social Problems; Palgrave Macmillan (selected chapters)
4. P.G. Rosner (2003): The Economics of Social Policy; Edward Elgar (selected chapters)
5. Jefferson, P. (2012): The Oxford Handbook of The Economics of Poverty, Oxford University Press
6. Galbraith, J. (2016): Inequality, What everyone needs to know, Oxford University Press
7. Škare, M., D. Tomić (2015): Collected Works of Soumitra Sharma; Economics in an Awkward Corner, FET Dr. Mijo Mirković in Puli, Zagreb University Library
8. Atkinson, A. (2015): Inequality; What Can Be Done?, Harvard University Press, Cambridge, Massachusetts, London, England
9. Report on the World Social Situation 2010: Rethinking Poverty, UN
10. Fields, G.S. (1980): Poverty, Inequality and Development, Cornell University, Cambridge University Press

Remark: additional literature is defined on the basis of assigned topics for the seminar paper.



**CURRICULUM IMPLEMENTATION PLAN**

Course unit code and title	CORE ECON 840 HEALTHCARE ECONOMICS		
Director of the course Assistant (including a webpage link)	<a href="#">Romina Pržiklas Družeta, PhD, Assistant Professor</a>		
Study program	Applied economics, graduate university program		
Course status	Elective	Course level	Graduate
Semester	Summer	Study year	2nd
Venue	Online	Language of lecture (other languages)	English
ECTS students workload	6	Number of hours per semester	30P – 0V – 30S
Enrolment and course mastering requirements	There are no preconditions to enrol.		
Correlativity	Economic development, welfare economics, macroeconomics, microeconomics		
Course objective	Enable the students to: <ul style="list-style-type: none"> <li>• Understand the goals of health economics</li> <li>• Analyze the quality of a healthcare system and medical care</li> <li>• Understand the quality and purpose of health policy</li> <li>• Develop a critical approach to healthcare system reform</li> </ul>		
Learning outcomes	Once the student has completed, successfully acquired and mastered the body of knowledge and skillset comprising the course, they should be able to: <ol style="list-style-type: none"> <li>1. Understand the goals of health economics</li> <li>2. Understand the healthcare supply and demand determinants and health expenditure efficiency</li> <li>3. Analyze a healthcare system, medical care, healthcare reform and the aspect of healthcare system financing</li> <li>4. Understand and interpret healthcare indicators</li> <li>5. Analyze and critically evaluate the role of healthcare policy and its efficiency</li> <li>6. Analyze the link between epidemiology and the economy</li> </ol> Associated learning outcome at study program level: <ul style="list-style-type: none"> <li>• Use healthcare indicators as a systematic informational basis for macroeconomic management - related to the learning outcomes of Course no. 4</li> <li>• Analyze national and international healthcare policy changes - related to the learning outcomes of Courses nos. 1-5)</li> </ul>		

Course content	<ol style="list-style-type: none"> <li>1. Health economics - interdependence, analysis</li> <li>2. Healthcare supply and demand determinants</li> <li>3. Segments of healthcare expenditure and their specificities</li> <li>4. Analysis of the healthcare system and medical care</li> <li>5. Healthcare indicators</li> <li>6. Healthcare organization and financing</li> <li>7. Rationalization and cost-cutting in healthcare (cost-containment analysis)</li> <li>8. Healthcare reform – consideration of national healthcare systems</li> <li>9. State intervention on the healthcare market - potential for development and challenges to public healthcare</li> <li>10. Healthcare policy - equality and choice efficiency</li> <li>11. Healthcare and welfare</li> <li>12. Epidemiology and the economy</li> </ol>				
Planned activities, learning and teaching methods and evaluation procedures	<b>Requirements</b>	<b>Outcomes</b>	<b>Classes</b>	<b>ECTS*</b>	<b>Maximum share of the grade (%)</b>
	Essay (seminar paper) with presentation	1 – 6	45	1,6	35%
	Assignment	3 - 6	63	2,2	15%
	Written exam	1 – 6	60	2,2	50%
	Total		168	6,0	100%

	<p><b>Explanation (assessment criteria):</b></p> <p>In addition to the online live lectures, students can also avail themselves of the asynchronous learning material from the Health Economics e-course available on the e-learning platform.</p> <p>Seminar paper - the topic is assigned by the course lecturer; the student is required to complete, submit and present it, acquiring a maximum share of 35% of the grade:</p> <ul style="list-style-type: none"> <li>- paper containing the basic elements of topic elaboration, submitted in writing and presented, shall be awarded a 25% grade share</li> <li>- paper containing a more detailed topic elaboration, submitted in writing and presented, shall be awarded a 35% grade share.</li> </ul> <p>Assignment – the student independently analyzes an account from the system of national accounts and elaborates on its structure and use, acquiring a maximum share of 15% of the grade:</p> <ul style="list-style-type: none"> <li>- a solved assignment with minor revision needed shall receive up to a 10% share of the grade</li> <li>- a correct assignment shall receive up to a 15% share of the grade.</li> </ul> <p>In case there are serious omissions, the seminar paper (assignment) shall be returned to the student for correction as per the instructions received. Alternatively, the student may produce a scientific paper in lieu of the seminar paper.</p> <p>A passing test grade shall be awarded to those students who achieved at least 50% out of the total number of points.</p> <p>The final grade consists of the test, seminar paper with presentation and assignment shares of the grade. At the final exam the student takes the test not accomplished previously or to earn a better grade thereof.</p> <p>The final grade is determined as follows:</p> <ul style="list-style-type: none"> <li>5 – 89 do 100%</li> <li>4 – 76 do 88.9%</li> <li>3 – 63 do 75.9%</li> <li>2 – 50 do 62.9%</li> </ul> <p>The tests and final exams take place in a controlled environment.</p>
Student requirements	<p>In order to successfully master the course, the student needs to (elements and deadlines):</p> <ol style="list-style-type: none"> <li>1. Produce a seminar/scientific paper on a topic from the field of health economics and submit it before the deadline set by the lecturer; present it in agreement with the lecturer;</li> <li>2. Produce an assignment and submit it before the deadline set by the lecturer;</li> <li>3. Take the test/final exam.</li> </ol>

Exam and midterm quiz dates	Published at the beginning of the academic year on the FET and ISVU (Information System of Higher Education Institutions) websites. Test date is published on the e-course webpage together with all other relevant notices and information.
Other important course information	A successfully passed test and a completed and presented seminar paper are honored only until the end of the next academic year.
Weekly online schedule	Week1 – 5 classes - Health Economics - interdependence, analysis - Supply and demand determinants in healthcare
	Week2 – 5 classes - Health expenditure segments and their specificities - Healthcare system and medical care analysis
	Week3 – 5 classes - Health indicators - Healthcare organization and financing
	Week4 – 5 classes - Rationalization and cost-cutting in healthcare (cost-containment analysis) - Healthcare reform – consideration of national healthcare systems
	Week5 – 5 classes - State intervention on the healthcare market - potential for development and challenges to public healthcare - Healthcare policy - equality and choice efficiency
	Week6 – 5 classes - Health and welfare - Epidemiology and the economy
	Test preparation – 30 hours
	Seminar/scientific paper production and presentation – 45 hours
Assignment – 63 hours	

Literature

Students have at their disposal the digital written and audio material with links to virtual classrooms, asynchronous lectures/exercises, presentations and class notes from the Health Economics e-course available on the e-learning platform, plus the following literature:

*Assigned reading:*

1. Feldstein, P.J. (2011): Health care economics, 7th edition, New York, Thomson Delmar, Learning (Learning outcome 1-2)
2. Feldstein, P.J. (2007): Health policy issues: an economic perspective, 4th edition, Chicago: Health Administration Press (Learning outcome 5-6)
3. Folland, S., Goodman, A., Stano, M. (2012): The Economics of health and health care, Prentice Hall (Learning outcome 3-4)

*Elective reading:*

1. B. McPake, L. Kumaranayake and C. Normand (2002): Health Economics – An International Perspective, Routledge
2. J. Bhattacharya, T. Hyde and P. Tu (2014): Health Economics, Palgrave Macmillan
3. Glied, S., Smith, P.C. (2011): The Oxford handbook of health economics, Oxford University Press
4. Breyer, F., Felder, S. (2006) Life expectancy and health care expenditures: A new calculation for Germany using the costs of dying, Health Policy, 75, str. 178-186
5. Sen, A. (2005): Is health care luxury? New evidence from OECD data, International Journal of Health Care Finance and Economics, 5(2) str. 147-164
6. Barić, V., Smolić, Š. (2011): Stabilnost zdravstvenog sustava u recesiji//Kriza: Preobrazba ili Propast/Obadić, A., Šimurina, J., Tica, J. (ur). Zagreb, Biblioteka Ekonomika i razvoj, str. 47-58
7. FAO Food Insecurity in the World (2008)
8. USDA, Seale, J., Regmi, A., Bernstein, J. (2003): International Evidence on food consumption patterns; [www.ers.usda.gov](http://www.ers.usda.gov)
9. World Health Organisation WHO: [www.who.int](http://www.who.int)
10. World Health Organisation WHO (2002) The world health report
11. [Food and Agriculture Organization of the United Nations: www.fao.org](http://www.fao.org)
12. [OECD, Measuring up: improving health system performance in OECD countries, Paris, 2002](#)
13. Lopez-Casasnovas, G. Riviera, B., Currais, L. (2007): Health and economic growth: findings and policy implications, Cambridge: The MIT Press
14. Mooney, G.H. (2009): Challenging health economics, Oxford, N.Y.: Oxford University Press
15. Dolan, P. Olsen, J.A. (2001): Equity in health: the importance of different health streams, Journal of Health Economics, 823-834
16. Vehovec, M. (ur) (2014): O zdravstvu iz ekonomske perspektive, Ekonomski Institut, Zagreb
17. Health Economics Research Center: HERC [http:// herc.ox.ac.uk](http://herc.ox.ac.uk)
18. E. Mossialos, M. Mrazek and T Walley (eds) (2004) Regulating Pharmaceuticals in Europe, Striving for Efficiency, Equity and Quality, Buckingham, open University Press, 2004
19. S O Schweitzer (2006) Pharmaceutical Economics and Policy,



	<p>Oxford University Press,                  20. Papanicolas I and Smith PC (2013): Health System Performance Comparison: An agenda for policy, information and research. Maidenheat: Open University Press</p> <p>Remark: additional literature is defined on the basis of assigned topics for the seminar paper.</p>
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## ANNEX 1: ADDITIONAL ELEMENTS / CRITERIA FOR EVALUATION OF THE ONLINE STUDY PROGRAM

<b>1. PURPOSE OF THE PROGRAM</b>
<p>The purpose of introducing the online program is to enable more potential students to access higher education at lower costs and easier study in their place of residence. In this way, the institution shall include in the modern e aspects of the study and follow trends in the advancement of the teaching process. The implementation of online learning is one of the main items of the University Development Strategy, which envisages the implementation and maintenance and improvement of teaching processes through the application of virtual tools and classrooms and their application in the online environment. The connection of existing ISVU systems, Moodle and new software tools for online teaching, such as Safe Exam Browser, Exam View and others, enables very high interoperability and quality application.</p>
<i>1.1. Explanation of the purpose of online program execution</i>
<p>Online programs make it easier to study for a larger spectrum or a wider population. Many of the benefits of studying online include lower study costs that allow more people to complete the education process themselves. In addition to lower costs, it is possible through online study and study for a wider group of students from students with certain physical disabilities to students with special needs. An additional advantage of this program is the availability of 0-24h where the student chooses the time when it is easiest to listen to lectures and perform their duties, and certainly has the added advantage that the student can view digital materials and video lectures multiple times. Nowadays, with the increasing availability of new technologies to a wider mass of people, we have satisfied this assumption, which until recently was a limitation in conducting distance learning.</p>
<b>2. INFRASTRUCTURE AND TECHNICAL ASSUMPTIONS</b>
<i>2.1. Provided permanent (24/7) Internet access from the institution as well as permanent access to servers at the institution from remote locations</i>
<p>Faculty of Economics and Tourism "Dr. Mijo Mirković" is connected to the Internet with a permanent (24/7) 1GBps bandwidth connection to the Croatian Academic Research Network (CARNet). The Moodle e-learning system, which is located on the University's own servers, will be used to conduct the studies, thus enabling constant and optimal access from remote locations.</p>
<i>2.2. Computer equipment and program support provided by the program, and required by the organizers, are provided</i>
<p>At the Faculty, all teachers who participate in conducting studies in an online environment have access to a computer with a high-resolution webcam, built-in microphone and 100Mbps Internet access. On each computer it is possible to install the necessary software for teaching and making video lectures and creating online exams such as Veed.io from the software for making video lectures, Exam View software for making online exams, and access to Moodle and ISVU teacher portal.</p>

**2.3. There is at least a five-year financial plan to ensure the maintenance and procurement of computer equipment and software systems for online learning**

Order. Number	Subject of supply	Pieces	Estimated value	Type of process
<b>2020</b>				
1	Laptop	10	60,000.00 HRK	Trivial procurement
2	Personal computer	5	30,000.00 HRK	
3	Monitor	5	10,000.00 HRK	
4	Small computer equipment		5,000.00 HRK	
5	Other computer services		50,000.00 HRK	
	IN TOTAL		155,000.00 HRK	
Order. Number	Subject of supply	Pieces	Estimated value	Type of process
<b>2021</b>				
1	Laptop	5	30,000.00 HRK	Trivial procurement
2	Personal computer	3	18,000.00 HRK	
3	Monitor	3	6,000.00 HRK	
4	Small computer equipment		5,000.00 HRK	
5	Other computer services		50,000.00 HRK	
	IN TOTAL		109,000.00 HRK	
Order. Number	Subject of supply	Pieces	Estimated value	Type of process
<b>2020</b>				
1	Laptop	10	60,000.00 HRK	Trivial procurement
2	Personal computer	5	30,000.00 HRK	
3	Monitor	5	10,000.00 HRK	
4	Small computer equipment		5,000.00 HRK	
5	Other computer services		50,000.00 HRK	
	IN TOTAL		155,000.00 HRK	
Order. Number	Subject of supply	Pieces	Estimated value	Type of process
<b>2020</b>				
1	Laptop	20	120,000.00 HRK	Trivial procurement
2	Personal computer	10	60,000.00 HRK	
3	Monitor	10	20,000.00 HRK	
4	Small computer equipment		5,000.00 HRK	
5	Other computer services		50,000.00 HRK	
	IN TOTAL		255,000.00 HRK	
Order. Number	Subject of supply	Pieces	Estimated value	Type of process
<b>2020</b>				
1	Laptop	10	60,000.00 HRK	Trivial procurement
2	Personal computer	5	30,000.00 HRK	
3	Monitor	5	10,000.00 HRK	

4	Small computer equipment		5,000.00 HRK	
5	Other computer services		50,000.00 HRK	
	IN TOTAL		155,000.00 HRK	

*2.4. A virtual environment in which classes will be conducted is provided*

At the Faculty of Economics and Tourism "Dr. Mijo Mirković" Pula, the Moodle e-learning system will be used to conduct the studies, which is located on the University's own servers, thus enabling constant and optimal access from remote locations.

*2.5. Computer services necessary for students and teachers to perform the planned activities are provided*

All Faculty employees and students have an open user e-mail account at the institution, also everyone has online access to the library, everyone has also opened a user account in the AAI domain with which they have access to Moodle and other online applications. All students have access to the ISVU system, and also all teachers have the opportunity to work on the ISVU teacher portal.

*2.6. The security and stability of the computer and communication infrastructure whose use is envisaged by the program have been satisfied*

Through the Moodle system, there have been no technical problems in the work of all students and teachers at the University of Pula so far, ie the system itself, which has been implemented on the institution's own servers, has been tested many times and has shown exceptional stability.

*2.7. It is safe to use an analytical system (learning analytics) to measure and report on the activities and performance of all stakeholders and content of the online learning system*

The Moodle system has an incorporated analytical system that provides multiple monitoring and analysis capabilities, where it is used with the ISVU system with its metrics and data analysis capabilities.

*2.8. The protection of privacy and security in the use of analytical data on the stakeholders of the online learning system is ensured*

The Moodle system and separate courses can be accessed only by students who are enrolled in that course in the ISVU system and teachers who are lecturers and are registered in the ISVU system. All publications within the system are listed only through the corresponding JMBAG, in which way the anonymity and security and protection of the privacy of each individual student are respected.

*2.9. Flexibility of time, place and course of the study process is ensured*

The flexibility of the time, place and course of the study process is ensured in several ways. First of all, the student has access to all materials in digital form, PPT lectures, video lectures, digital scripts and other materials that he can view at a time that suits him best. The advantage of the video lecture is that the student, unlike ( live ) teaching , can watch the same lecture several times. The flexibility of the place is certainly ensured because all the material is available in digital form, so the geographical position of the student is not important. The flexibility of the course of study is enabled in such a way that the student does not have to come physically to the building of the institution at any time, ie the entire study from enrollment to completion of studies is done online.

*2.10. The use of a blended learning system is ensured*

Since the study of Economics is conducted in the classical way and in the online study there are no differences compared to the classical one, the student can at any time switch to classical listening and taking exams, where for the institution it is not an additional problem or cost.

### 3. ORGANIZATION AND ADMINISTRATION

#### 3.1. Existence of procedures and documents governing the online execution of the program

All defined procedures related to enrollment, attendance and successful completion of the program by students, and the roles and responsibilities of students and teachers, are in the Regulations on studying (Appendix 1), the Rulebook on the final work and the final concert (Appendix 2) and the Rulebook on graduation work and graduation concert (Appendix 3).

#### 3.2. Detailed information is provided for students with the characteristics of the study program and about each individual course, method of execution and the rights and obligations of students

All information about courses taught in e-learning is available to all students through a syllabus that is separately developed according to the instructions for online study by the Agency for Science and Education and the Ministry of Science, Education and Sports, and published on the Faculty website. With syllabuses, each student can see their obligations and rights for each course separately via the Moodle system. In addition to all of the above, a short rulebook with instructions related to online study at the Faculty has been developed, which is available to all future and current students.

#### 3.3. Detailed information is provided for students on the prerequisites that must be met by students in order to be successfully involved in such a program.

The above response mentions a short rulebook with instructions that has been developed and which provides all the information on the prerequisites that must be met for successful monitoring of the program. The Ordinance is added in Annex 4.

#### 3.4. There are instructions or workshops or an otherwise introduced introduction that will offer students advice on how to attend the study

Instructions have been developed and a workshop has been prepared to instruct students on how to attend and complete their online study obligations.

### 4. PERSONNEL ASSUMPTIONS

#### 4.1. There is at least one person in charge of designing and implementing an online learning strategy, developing reconstruction plans and procuring an online learning infrastructure; development of training plans for teaching staff for the use of online learning infrastructure; and evaluating and reporting on achievements in the areas of online learning;

At the University level, Dario Kukuljan mag.educ.inf has been appointed who is in charge of conducting and implementing online learning, online learning strategies and more.

#### 4.2. There is at least one person to contract the exchange of online learning programs with other educational institutions;

At the University level, Dario Kukuljan mag.educ.inf has been appointed, who is in charge of contracting the exchange of online learning programs with other higher education institutions.

#### 4.3. There is at least one person trained and in charge of online communication with students and directing student requests to persons in charge of other forms of support;

At the University, one person from the student office has been appointed who has the function of a virtual office that is available during working hours for online communication with students.

*4.4. There is a service that will monitor the operation of the entire system on a daily basis and be able to troubleshoot within 24 hours;*

The University Computer Information Center (SRIC) has been established at the University, which is in charge of daily supervision of the operation of the entire system.

*4.5. No mortgages and / or contractors involved in online performance objects are trained to teach or have experience in online teaching, which will prove the same way in proving and other competencies needed for teaching*

Teachers are trained to perform subjects that are in the online environment and will be continuously educated through various webinars and workshops that are held systematically and over a period of time.

## **5. SUPPORT TO TEACHERS AND STUDENTS**

### *5.1. Organizational*

*5.1.1. The higher education institution systematically conducts education of all its stakeholders (teaching staff, administrative staff, students) involved in the study program ;*

All employees of the Faculty of Economics and Tourism "Dr. Mijo Mirković" Pula, are constantly improving, which enables the performance and implementation of online studies. Various webinars and workshops are organized for teachers and professional services, which are adapted to certain needs and problems.

*5.1.2. O support is provided to teachers in the preparation and implementation of online courses*

Support for teachers was expressed through webinars and workshops related to the preparation of materials, but also just teaching in an online environment. Specialist teacher education on online learning (CARNet courses) is provided. Support to teachers is also in the technical sense through the procurement of equipment, but also assistance through the SRIC as a form of technical support.

*5.1.3. It is safe to inform students online about organizational and other issues related to the study before opening applications for programs that run online, and especially before paying tuition fees*

Detailed instructions on the obligations and rights of students studying in the online environment and the manner of conducting the studies are posted on the Faculty's website. In addition, a daily online communication channel is provided through a virtual office, where potential students can get answers to all questions.

*5.1.4. O support is provided in the management of projects / processes of establishing an online learning system (processes, resources, time, costs )*

Support is provided by the University, SRIC, faculty administration and other services involved in the implementation and conduct of online studies.

### *5.2. Administrative*

*5.2.1. The status of teachers engaged in online teaching is regulated and there is a procedure for recording their time invested in online teaching*

The status of teachers who are engaged in online teaching is regulated, considering that the identical study is performed in the classic way in the hall , all teachers have a resolved status. The procedure of



recording the time that teachers have invested in online teaching is defined through the Ordinance on study, and is kept through a separate system that has been used in previous work and records of classical teaching.

*5.2.2. No mortgage is secured access to those data on students who are required to perform a particular college*

Teachers are provided with access to those data on students that are needed to perform certain courses through the Moodle system and the ISVU system that are interconnected and compatible.

*5.2.3. The student is provided online enrollment, lecture documentation with pre-prescribed method of verifying the authenticity of original documents, payment of tuition fees and the regulation of other administrative issues*

Students are provided with online enrollment and everything related to study and study through a separate information system and procedures defined by the Rules of Study. The ordinance defines any situation that occurs during studies and enables the student to physically not have to come to the institution where the online study takes place at any time.

*5.2.4. With students and teachers, online availability of grades and other data on student achievement is ensured*

Through the ISVU system, students and teachers are enabled to view and enter grades and other data related to the online study itself.

*5.2.5. The student is able to communicate with external stakeholders of the process of teaching (engaged external lecturers, heads of labs, relevant persons in the exercise of student practice, the persons responsible for graduate studies and other projects )*

All hired external lecturers are available online to communicate with students. In addition, the virtual student service is constantly available to all students, including students studying in an online environment.

*5.2.6. Participation with students of practical and practice work in networked virtual laboratories is enabled*

A virtual laboratory has been set up to perform practical exercises and tasks.

*5.2.7. It is safe to archive data on the results of all assignments, exams and other activities in which students are involved, regardless of the virtual environment in which online classes are conducted, and in duration and according to regulations that apply to classically conducted study programs*

The results of all exam tasks and other activities are permanently stored through the Moodle system and through the ISVU system.

*5.2.8. The final papers of students involved in online programs (undergraduate, graduate and doctoral) should be publicly available and stored in the same way and for the same duration as the papers of other students of the same higher education institution.*

All final, graduate and doctoral theses are publicly available and stored through the system of Digital Academic Archives and Repositories - DABAR.

*5.3. Technical*

*5.3.1. Assistance with students and teachers in the use of services provided by the program during the working hours of the higher education institution is provided*

With students and teachers, assistance was provided in using the services provided by the program during the working hours of the university through the SRIC for technical assistance and the Virtual Office, which serves to help with the conduct and conduct of online studies.

*5.3.2. Teachers are provided with technical and graphic-design assistance in the preparation of material for use through different platforms (e-learning, m-learning)*

Teachers were provided with technical and graphic-design assistance in the preparation of materials for use through various platforms (e-learning, m-learning) by the University printing offices, and various templates were made to help and unify the appearance of the materials themselves.

*5.3.3. Teachers are provided technical assistance in the establishment of metadata and repository of electronic learning objects and their multiple usability*

Teachers were provided with technical assistance in the establishment metadata and repository of electronic learning objects and their multiple usability by SRIC's.

*5.3.4. Other technical criteria*

Support is provided in the use of open educational resources ( *Open Educational Resources* ) and / or networking on massive *open online courses* with appropriate protection of intellectual property; Support is provided to users with special requirements (contents prepared in an alternative form); Support is provided in the conversion and / or migration to different / higher levels of the online learning system; Regular backup and updating of backups of all materials and data from the virtual environment in which *online* classes are conducted is ensured, even in the case when it is necessary to seek additional technical solutions for backup grades and other data on student results; A safe is contextual management and moderation of electronic communication between students in team work ( *peer interactions* ) as well as students and teachers.

The University Computer Information Center is in charge of supporting the above criteria .

*5.4. Library*

*5.4.1. Access to available online learning materials is provided, eg by selecting and recommending relevant publicly available sources, informing about scientific databases and their use*

Online learning materials are available through the Moodle system for each separate course and through the website of the University Library in Pula.

*5.4.2. It is possible to search the electronic and physical library fund of the organizing institution online*

The online search of the electronic and physical library fund of the institution is enabled via the website of the University Library in Pula.

*5.4.3. The issue of copyright for protected materials has been regulated*

The issue of copyright for protected materials is regulated by the ordinance on the conditions and manner of use of library materials and library services, which was adopted for the University Libraries of the University of Juraj Dobrila in Pula on 01.07.2008. years.

*5.4.4. Online communication between students and librarians is enabled*

Following the example of the Virtual Office, the Virtual Assistant of the University Library was enabled and implemented, which enables online communication between students and librarians.

*5.4.5. Delivery and return of printed copies by mail is enabled*

The Ordinance on the conditions and manner of use of library materials and library services provides for the possibility of delivery and return of printed copies of the University Library by mail.

