Економски факултет

КЊИГА ПРЕДМЕТА
International master in Business Informatics (2)

Београд

2025.

Садржај

Садржај

Наставни предмет	Organization and Management
Ознака предмета: 20.IOAM	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Јанићијевић Д. Небојша, Редовни професор Богићевић-Миликић Р. Биљана, Редовни професор Алексић Мирић М. Ана, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Objectives of the course are to develop and upgrade the knowledge on contemporary concepts of management and organization to be able to: respond to challenges of the global environment and manage diversity and change; respond to ethical challenges, corporate social responsibility and sustainable development; understand the complexity of decision making process in organization; understand contemporary organization theories, organizational structures and processes; recognize influences on organization and organization design; recognize the importance of leadership development; understand corporate governance in its relationship to management; understand the complexity of relationship between strategy, HRM and organizational performance; understand and manage organizational behaviour; understand forms of inter-organizational alliances.

2. Исходи образовања (Стечена знања):

After passing the exam, students should have sufficient applicable knowledge, practical methods, techniques and skills to be able to 1) understand complexity of organizational contingencies and respond to challenges of the global environment through the decision-making process; 2) perform organizational analysis, identify the causes of organizational problems and effectively implement changes in organizations; 3) initiate, direct and motivate the behaviour of people in organizations in order to achieve organizational and individual goals; 4) analyse the strategic role of HRM in a competitive environment and evaluate the relationship between HRM and organizational performance; 5) manage complex inter-organizational relationships and networks.

3. Садржај/структура предмета:

Fundamentals of management; Management in a global environment; Managing ethics and social responsibility; Managerial decision-making; Managing change and innovation; Managing diversity and multicultural management; Theories of organization and types of organization; Fundamentals of organization, organizational structures; Strategic human resource management; Corporate governance; Leadership and managerial competencies; Organizational contingencies; Inter-organizational relationships, networks; Characteristics of modern organizations.

4. Методе извођења наставе:

Lectures, tutorials, and student's assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Daft, R.	Understanding the theory and design of organizations	South-Western Cengage Learning	2013
2	Robbins, S., Judge, T.	Organizational Behaviour	Pearson	2013
3	Schuler, R.S., & Jackson, S. (Eds.)	Strategic human resource management	Blackwell Publishing	2007

Наставни предмет	Methodology of Scientific Research
Ознака предмета: 20.IMSR	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Статистика и математика
Наставници:	Боричић Р. Бранислав, Редовни професор Илић М. Мирјана, Редовни професор Манић Н. Славица, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

To enable students to acquire skills in the methods of general logic, methodology and research, as required for their use in economics-, business- and statistics-based subjects. To prepare students for further units in research and argumentation.

2. Исходи образовања (Стечена знања):

This course develops basic logical and methodological methods and will emphasize their applications to problems in economics, statistics, management and related areas, and also demonstrates further applications in economics.

3. Садржај/структура предмета:

GENERAL METHODOLOGY. Scientific theory; Axiomatic method; Induction and inductive definition; The nature of proof; Deduction relation; Independence of axioms; Consistent and inconsistent theories; Truth and proof; Completeness; Aristotle two-valued principle; Paradoxes and logical errors; Indirect argumentation; Example and counterexample – proof and refutation. METHODOLOGY OF ECONOMICS. The hypothetico-deductive model; Statistical inference; Norms versus actual practice; From Popper's falsificationism to the new heterodoxy; Empiricism-Ultraempiricism-Apriorism-Operationalism; Positive and normative economics; The rationality postulates; The logic of preference; Independence of rational choice axioms; Arrow-Sen social choice theory; Possibility and impossibility phenomena.

4. Методе извођења наставе:

In lecture classes the theoretical elements of the subject matter are discussed, with many abstract and illustrative examples while examples of tasks dominate on practice lessons. The practice lessons are primarily interactive. Active engagement can help a student be exempt from taking a part of the preliminary exam (colloquium). The colloquium comprises material covered in lectures and practice lessons from the beginning of the school year to the day of the tests.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	K. J. Arrow	Mathematical models in the social sciences, in Lerner and Lasswell (eds.), Policy Sciences	Ekonomski anali 165	2005
2	M. Blaug	The Methodology of Economics: Or, How Economists Explain	Cambridge University Press, Cambridge	1992
3	D. Bonevac	Deduction	Blackwell Publishing, Malden	2003
4	Б. Боричић и др.	Савремена методологија у теоријској економији	Економски факултет, Београд	1986
5	B. Boričić	Logic and Proof	Ekonomski fakultet, Beograd	2011
6	D. W. Hands	Reflection Without Rules: Economic Methodology and Contemporary Science Theory	Cambridge University Press, Cambridge	2001
7	I. Lakatos	Proofs and Refutations	The British Journal for the Philosophy of Science XIV	1963
8	A. K. Sen	Rationality and social choice	Ekonomski anali 160	2004

Наставни предмет	Business Process Management
Ознака предмета: 20.IBPM	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Јанићијевић Д. Небојша, Редовни професор Вуксановић Херцег Д. Ива, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of this course is to develop and broaden students' knowledge and skills related to different contemporary approaches to business process management as well as to prepare students to apply its business aspects in practice.

2. Исходи образовања (Стечена знања):

Students will be able to understand why BPM is important and how organization should use it, to model simple business processes in terms of people, and activity sequences involved, the data and materials flowing through those sequences, to carefully analyze organizations' business processes and continuously assess the efficiency and effectiveness of these processes in order to maximize value, to implement methods for continuous process improvement as well as to identify the need for business process change, to successfully manage business process and its change, to understand the interactions between organizational culture and process design and to implement softwares that manage and integrate different company's activities, such as financials, supply chain and human resource activities

3. Садржај/структура предмета:

Course content
The course covers the following topics: Introduction to digital transformation and BPM; Identifying and modelling business processes; Analysing business processes; Business process change; Continuous process improvement methods; BPM deployment through ERP systems; BPM deployment through BPM suites; Setting-up a process support organization; Managing and measuring business processes; Change management; BPM and organizational culture; Reference models.

4. Методе извођења наставе:

lectures and class discussions, case studies, computer labs, team projects and presentations, class assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	John Jeston	Business Process Management: Practical Guidelines to Successful Implementations	Routledge	2018
2	Susan Page	The Power of Business Process Improvement: 10 Simple Steps to Increase Effectiveness, Efficiency, and Adaptability	American Management Association - AMACOM	2015

Наставни предмет	Research seminar (Autumn)
Ознака предмета: 20.IRSA	
Број ЕСПБ: 2	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Обавезан предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
0.00	1.00	0.00	1.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

Не постоји циљ предмета

2. Исходи образовања (Стечена знања):

Не постоји исход образовања

3. Садржај/структура предмета:

Не постоји садржај предмета

4. Методе извођења наставе:

Не постоји метод изводења наставе

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година

Наставни предмет	Corporate Financial Reporting
Ознака предмета: 20.ICFR	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Рачуноводство и пословне финансије
Наставници:	Пантелић В. Марија, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course covers current practices in corporate financial reporting. It deals with fundamental issues relating to asset valuation and income determination, and provides an overview of International Financial Reporting Standards (IFRS). The emphasis of the course is on analysis of financial statement and interpretation of financial disclosures.

2. Исходи образовања (Стечена знања):

Upon completing the course, students will be able to analyse financial statements and interpret financial disclosures, understand the basic principles behind IFRS and applications of financial reporting in risk assessment and decision-making.

3. Садржај/структура предмета:

•Introduction to financial analysis
•Organization of information in financial statements
•Analysis of financial decisions
•Analysis of investment decisions
•Analysis of operating decisions
•Profitability analysis
•Return and liquidity
•Quality of financial information

4. Методе извођења наставе:

Lectures, numerical exercises, case studies and analyses.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	10.00	Писмени испит	Да	60.00
Семинарски рад	Да	30.00			

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	K. R. Subramanyam and J. Wild	Financial Statement Analysis (11th ed.)	McGraw-Hill	2015
2	L. Revsine, D. W. Collins, W. B. Johnson, H. F. Mittelstaedt and L. C. Soffer	Financial Reporting and Analysis (7th ed.)	McGraw-Hill	2017

Наставни предмет	Accounting Information for Decision Making
Ознака предмета: 20.IAID	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Рачуноводство и пословне финансије
Наставници:	Малинић Ц. Дејан, Редовни професор Милићевић М. Владе, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

•Providing students with comprehension of accounting information as well as with knowledge and skills necessary to use accounting information in the decision-making process.
•Building competencies to understand, prepare and interpret financial statements.
•Developing skills to evaluate different business alternatives and make sound business decisions.

2. Исходи образовања (Стечена знања):

Students will be able to:
•Explain different types of accounting information needed for various business decisions.
•Apply regulatory framework requirements in recognition and measurement of financial statement items.
•Perform financial statement analysis.
•Explain the basic steps of the financial reporting and auditing processes.
•Identify and explain costs and their different classifications
•Discuss and apply management accounting tools and techniques for decision-making

3. Садржај/структура предмета:

Understanding fundamental financial statements and the effects of various managerial decisions on profit, financial position of the company and taxes; The importance of cash flows; Responsibility of managers for financial reporting and the role of auditing; Financial statement analysis: key financial indicators for understanding profitability, asset turnover, financial position and liquidity of the company; Accounting information to evaluate a company's value and intellectual capital; Cost concepts and cost classifications; Cost Volume Profit Analysis; Contemporary costing methods; Relevant costs for decision making; Product and customer profitability analysis; Budgeting and control; Evaluation of business decisions; The link between performance measurement and managerial incentive system

4. Методе извођења наставе:

Lectures, tutorials, and student's assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Paul M. Collier	Accounting for Managers – Interpreting Accounting Information for Decision Making, 5th edition	Wiley	2015
2	Cunningam, B. M, Nikolai, L. A., Bazley, J. D., Kavanagh, M., Slaughter, G., Simmons, S	Accounting: Information for Business Decisions, 2nd edition	Centage Learning	2015
3	John J. Wild	Financial Accounting: Information for Decisions	McGra Hill-Irwin	2007

Наставни предмет	Intermediate Strategic Management
Ознака предмета: 20.ISTM	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (МАС), Изборни предмет 50F - International master in Business Informatics (2) (МАС), Обавезан предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Вуксановић Херцег Д. Ива, Ванредни професор Каличанин М. Ђорђе, Редовни професор Лончар М. Драган, Редовни професор Куч Р. Вукашин, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of the course is to provide students with the knowledge about: the strategic management process, sources of competitive advantage and competitive strategies, corporate strategies (growth strategies, stabilization strategies and retrenchment strategies), corporate social responsibility, selected topics on strategy implementation and strategic control, and the process of strategic management in non-profit organizations.

2. Исходи образовања (Стечена знања):

After completing this course, students will be able to: use and critically evaluate the literature in the field of strategic management, link the acquired knowledge with current practical problems and enable them for further professional and research work in the field of strategic management; understand the discussed theoretical concepts, methodological tools and practical examples, so that they can better implement them in practice and become, with some additional work experience, top experts in the field of strategic management.

3. Садржај/структура предмета:

1. Introduction to strategic management; 2. Corporate governance; 3. Sources and forms of competitive advantage; 4. Advanced topics on strategic analysis; 5. Advanced topics on corporate strategies; 6. Advanced topics on business strategies; 7. Environmental strategies and corporate social responsibility; 8. Advanced topics on strategy implementation and strategic control; 9. Strategic management in non-profit organizations.

4. Методе извођења наставе:

Lectures, tutorials, and student's assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Johnson, G., Whittington, R., Regnér, P., Scholes, K., & Angwin, D.	Exploring strategy: Text and cases. 11th edition.	Pearson	2017
2	Grant, R. M.	Contemporary Strategy Analysis: Text and Cases Edition, 9th Edition	Wiley	2016
3	Jenkins, M., Ambrosini, V., & Collier, N.	Advanced Strategic Management: A Multi-Perspective Approach	Macmillan Education UK	2015

Наставни предмет	Business Analytics and Decision Making Using Data
Ознака предмета: 20.IBDD	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Обавезан предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Стаменковић С. Младен, Ванредни професор Солдић-Алексић Ђ. Јасна, Редовни професор Аздејковић Б. Драган, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of this course is to develop and broaden students' knowledge and skills using project based teaching, methods and tools for decision making, i.e. applications and technologies for gathering, storing, analyzing, sharing and providing access to data to help enterprise users make better managerial decisions. The course aims to introduce basic decision making methods.

2. Исходи образовања (Стечена знања):

Students will be able to identify how various business intelligence systems can contribute to organizational success, to apply principles of analytical decision in order to support data-based decision making, to use BI&A applications (such as reporting and querying software and Online analytical processing-OLAP) as well as BI&A technologies to support a wide variety of management tasks, to create and manage the flow of data and analyze how it is processed across an organization's IT systems and applications, to extract information from a data set and transform the information into a comprehensible structure that can be used for making predictions, to increase business efficiency by using advanced spreadsheet modelling and data dashboards.

3. Садржај/структура предмета:

•Analytical decision processes
•Data architecture
•Self-service business intelligence
•BIS development
•Multidimensional analytics / OLAP
•Data dashboards and advanced spreadsheet modelling
•Decision Making methods

4. Методе извођења наставе:

lectures and class discussions, case studies, computer labs

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Provost F., Fawcett, T.	Data Science for Business	O'Reilly	2013
2	Ohri, A.	R for Business Analytics	Springer	2013
3	Greco S., Ehrgott M., Figueira J.	Multiple Criteria Decision Analysis: State of the Art Surveys	Springer	2016

Наставни предмет	Advanced Digital Tools
Ознака предмета: 20.IADT	
Број ЕСПБ: 4	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (МАС), Изборни предмет 50C - International master in Applied Economics (МАС), Обавезан предмет 50F - International master in Business Informatics (2) (МАС), Обавезан предмет
УНО предмета	Статистика и математика
Наставници:	Стаменковић С. Младен, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	1.00	0.00	1.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

The objective of the course is to provide students with the advanced-level knowledge and skills required for effective data processing and analysis, using the state-of-the-art statistical software (such as R or Python). Course is also aimed at training students to use modern digital tools for reporting and creation of presentations (such as LaTeX).

2. Исходи образовања (Стечена знања):

Upon completion of the course students will be able to:
•conduct data generation and manipulation (to import and process data from multiple sources, summaries and fancy plots);
•apply advanced data visualisation tachniques;
•create create clever reports using modern tools (such as RMarkdown)
•to write professional and academic reports using modern tools (such as LaTeX).

3. Садржај/структура предмета:

Data generation and manipulation;
Statistical inference;
Data visualization;
RMarkdown and connection of R and LaTeX

4. Методе извођења наставе:

Teaching in computer labs. Problem solving based course with problem sets for each topic covered in the course

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Истраживачки студијски рад	Да	20.00	Писмени испит	Да	60.00
Колоквијум	Да	20.00			

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Hadley Wickham, Garrett Grolemund	R for Data Science	O'Reilly Media, Inc.	2016
2	Zuur, Alain, Elena N. Ieno, and Erik Meesters	A Beginner's Guide to R	Springer Science and Business Media	2009
3	Chapman, Chris, and Elea McDonnell Feit	R for marketing research and analytics	Springer, NY	2015

Наставни предмет	Digital Marketing
Ознака предмета: 20.IDMA	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Филиповић М. Јелена, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of the course is to provide students with competences to define digital marketing strategy and how to apply of the concepts of traditional marketing in an online environment, as well as to teach them on modern marketing concepts that are characteristic only of the Internet market space. Improvement of the previous marketing knowledge and understanding of the the specifics of doing business in the virtual space - from developing an online business model to strategic use of social media.

2. Исходи образовања (Стечена знања):

Students should master the knowledge and skills and be able to apply them independently in concrete practical situations in the following areas: formulation of Internet marketing strategy, online marketing research, understanding consumer behavior in online conditions, online branding, video marketing, application and effects of use of the Internet promotional tools such as email marketing, SEO marketing, social network marketing etc. Analysis of campaign results, corrective actions and reporting of campaign outcomes.

3. Садржај/структура предмета:

Introduction to Internet Marketing; Strategy in digital marketing; Ethical and legal frameworks for doing business on the Internet; Digital models: business, revenue and customer management; Digital Marketing Management (SWOT Analysis, Vendor Management, Budgeting, Organization, Online Business Security); Online consumer behavior; Online products; Pricing in a virtual environment; Point of sale; Internet promotional mix (websites, banners, email, web 2.0 marketing, social networks, search engine marketing, online public relations); Digital analytics and business analysis process; Measuring results of the online promotion; Metrics and reporting of campaign results through various internet tools.

4. Методе извођења наставе:

Lectures, tutorials, and student's assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Усмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Chaffey, D., Smith, PR	Digital marketing excellence: Planning, Optimizing and Integrating Online Marketing	Taylor & Francis	2017
2	Chaffey D, Ellis-Chadwick, F.	Digital marketing	Pearson UK	2019

Наставни предмет	E-Commerce
Ознака предмета: 20.IECO	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Петковић К. Горан, Редовни професор Богетић П. Зоран, Редовни професор Стојковић Ж. Драган, Редовни професор Бјелић М. Предраг, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

Developing competencies for students in the field of e-commerce; Preparing undergraduates for rapid involvement in electronic commerce and omnichannel business by adopting accepted concepts and tools used by professionals from the industry and by understanding the success factors of applying those concepts and tools in electronic and multiple marketing channels; Enabling students to understand and apply modern e-commerce concepts and tools.

2. Исходи образовања (Стечена знања):

Student understands the functioning of e-commerce; Applies knowledge of commodity flow management, Uses advanced academic knowledge in the field of electronic and omnichannel commerce, in all types of businesses and organizations; Plans, organizes and controls the work of business units and businesses in electronic marketing channels; Uses modern management and software tools in the purchasing and sales business in B2C and B2B electronic marketing channels; Works in a digital environment; Able to think contextually and make decisions in an electronic and multi-channel environment; Able to learn and upgrade knowledge; Respects business ethics, professional values and behaves adequately in an electronic environment.

3. Садржај/структура предмета:

Introduction to e-commerce; E-commerce models and concepts; Omnichannel strategy; Infrastructure for modern e-commerce; Selection of hardware and software for e-commerce, mobile commerce and mobile applications; Social networks and e-commerce, e-commerce security and payment systems; Marketing concepts in e-commerce and omnichannel environments; Ethical and legal issues in the e-commerce and omnichannel business.

4. Методе извођења наставе:

Interactive teaching. The following methods are used: ex cathedra lectures (ppt presentations), computer lab lectures using modern e-commerce management tools as well as web site development tools, mobile applications, as well as real e-commerce simulations, case studies, simulation etc.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Keneth, C. Laudon, C. K., Traver, C., G.	E-commerce (15th Edition)	Pearson	2019

Наставни предмет	Intermediate Labour Economics
Ознака предмета: 20.IILE	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Економска теорија и анализа
Наставници:	Арандаренко Г. Михаил, Редовни професор Крстић П. Горана, Редовни професор Јандрић С. Маја, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

The main objective of the course is to provide students with an introduction into contemporary issues in labor economics at the graduate level, using the most authoritative and state-of-the-art resource in the field. Specific objectives are to introduce students to new fields of study and new methods to explore them, providing detailed instructions how to replicate research that have proved to be milestones in labor economics. Our choice of topics also aims to offer more space to the analysis of public policy and the levers available to policy makers.

2. Исходи образовања (Стечена знања):

At the end of the course, students are expected to analyze the impact of technological progress on labor market outcomes, interaction of globalization, employment and inequality, labor insurance policies and active labor market policies. They should be able use a variety of quantitative methods in orderto replicate major studies in these areas of study, They will be able to predict the effects of labor market policies and learn how to conduct scientific evaluations of their impact.

3. Садржај/структура предмета:

•Competitive equilibrium (in the labour market)
•Technological progress
•Globalization, Employment and Inequality
•Insurance policies
•Active labor market policies

4. Методе извођења наставе:

Lectures, tutorials and students' assignment.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Pierre Cahuc, StéphaneCarcillo and André Zylberberg	Labor Economics, 2nd edition	MIT Press	2014

Наставни предмет	Ethical Issues in Tax Practice
Ознака предмета: 20.IEIP	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Костић В. Светислав, Ванредни професор Вучковић Милутиновић Д. Савка, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The course introduces main principles of business ethics from a normative and positive perspectives to the students, with a strong focus on ethical issues related to operations in tax advisory, in-house tax counselling, tax policy making and tax enforcement. Using the academic readings and the real case-studies, students will gain knowledge on tax ethics, differentiation between tax evasion and tax avoidance, as well as on border topics, such as corporate social responsibility.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to: describe and evaluate the key ethical principles and issues which apply in tax practice, both from the normative and positive point of view; critically analyze ethical issues which may be encountered in the course of provision of tax advisory and enforcement and compliance activities; differentiate tax evasion and tax avoidance, as well as to recognize the thin line dividing acceptable and aggressive tax planning; discuss the key novelties which were brought about within this context by the OCED’s BEPS Action 12 (Mandatory Disclosure Rules) and secondary law of the European Union related to it, as well as their significance for the activities of tax advisors.

3. Садржај/структура предмета:

The course covers the following topics:
• Ethical considerations and tax-savings strategies (tax evasion and tax avoidance, acceptable tax planning and aggressive tax planning);
• International institutional framework regarding tax advisors’ obligations (BEPS Action plan,Mandatory Disclosure Rules; EU legislation);
•Fundamental ethical principles within tax profession and conceptual framework for ethical behaviour – threats and safeguards (Codes of Ethics applicable for tax professionals);
•Enforcement of professional ethics;
•Regulating the role of tax advisers.

4. Методе извођења наставе:

lectures, case studies, students’ presentations followed by discussions

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Hans van den Hurk	Tax Planning, Ethics and Our New World”, Bulletin for International Taxation, 72(2)	IBFD	2018
2	Nevia Čičin-Šain	New Mandatory Disclosure Rules for Tax Intermediaries and Taxpayers in the European Union – Another “Bite” into the Rights of the Taxpayer?, World Tax Journal	IBFD	2019
3	Christiana HJI Panayi	Is Aggressive Tax Planning Socially Irresponsible?”Intertax, Vol. 43, Issue 10	Kluwer Law International	2015
4	Willian L. Raby	Ethics in Tax Practice”, The Accounting Review, Vol. 41, No. 4	American Accounting Association	1966

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
5	Grahame R. Dowling	The Curious Case of Corporate Tax Avoidance: Is it Socially Irresponsible?",Journal of Business Ethics, Vol. 124, No. 1	Springer	2014
6	Yuka Sakurai, Valerie Braithwaite	Taxpayers' Perceptions of Practitioners: Finding One Who Is Effective and Does the Right Thing?, Journal of Business Ethics, Vol. 46, No. 4	Springer	2003
7	Duska R., Duska B. and J. Ragatz	Accounting Ethics	Wiley – Blackwell	2018
8	International Ethics Standards Board for Accountants	Code of Ethics for Professional Accountants	International Federation of Accountants	2018
9	AICPA Tax Executive Committee	Statements on Standards for Tax Services	AICPA	2018

Наставни предмет	EU Legal and Economic System
Ознака предмета: 20.IELS	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Бјелић М. Предраг, Редовни професор Перовић С. Јелена, Редовни професор Ђорђевић В. Милена, Доцент Радуловић Љ. Бранко, Редовни професор Поповић Петровић Р. Ивана, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Цоурсе објецтиве ис то девелоп анд то броаден студентс' кноwледге, скиллс анд интуитион релатед то регионал интегратионс анд специфицаллу Еуропеан унион легал сустем, еценомиц сустем анд траде интегратион, ас wелл ас то препаре студентс то сет објецтивес анд солве проблемс wхицх арисе ин ЕУ цоммон полициес, анд то интродуце тхем witх тхе импортанце оф Монетару унион иссуес.<енг>

2. Исходи образовања (Стечена знања):

Students will be able to explain role and purpose of EU legal and economic systems, know the functioning and the importance of EU common policies. They should understand the legal framework of the main market freedoms and know the principles of EU Trade policy and Single market system. They should be able to discus principles of application of EU law, as well as the functioning of monetary union and the significance of the single currency in EU.

3. Садржај/структура предмета:

-A Brief History of European Communities
-Institutions of the EU (European Parliament, Council, European Commission, European courts)
-Legal sources of the EU, the effect of EU law
-Main principles of EU law
-The four freedoms – Introduction to European Economic Law
-The essential economics of preferential liberalisation and teories of regional economic integration
-EU Trade Policy
-The Common Agricultural policy
-EU Regional policy
-The European monetary system, Monetary union and Euro
-Fiscal policy and Stability Pact

4. Методе извођења наставе:

Lectures, analysis of articles, students' presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	R. Baldwin, and C. Wyplosz	The Economics of European Integration, 5th edition	McGraw Hill	2015
2	A.M. El-Agraa	The European Union - Economics and Policies, 9 th Edition	Cambridge University Press	2012
3	C. Barnard, S. Peers	European Union Law	Oxford	2014

Наставни предмет	**EU Tax Law**
Ознака предмета: 20.IEUL	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The course will introduce the students with general EU law principles and legislation with respect to their application in the field of taxation, it will help them understand the inherent contradiction between the goals of the EU, on the one hand, and goals of its member states, on the other, with respect to the field of direct taxation, as well as the consequent difference in the way direct and indirect taxation are regulated in the EU. The course will present students with the current tendencies regarding secondary law od the EU as well as in the case law of the Court of Justice of the EU in the field of taxation.

2. Исходи образовања (Стечена знања):

Students will gain knowledge and skills enabling them to critically analyze the complex matter of European Union tax law, its interaction with international tax law, as well as to analyze current tendencies in the development of EU tax law and place them in the context of reforms currently taking place at the level of international tax law.

3. Садржај/структура предмета:

1. General principles of EU law and their application in the field of tax law; 2. External dimension of EU law in their relationships with 3rd states; 3. Indirect taxation in the EU: a) customs, b) Value Added Tax and c) Excise duties; 4. Direct taxes in the EU: a) positive integration in the field of direct taxes – directives which are in force and directive proposals, b) Negative integration in the field of direct taxes – Case law of the Court of justice of the EU; 5. State aid rules in the field of taxation, 6. Anti-tax avoidance measures in EU tax law.

4. Методе извођења наставе:

Lectures, case studies, students’ presentations followed by discussions

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Ben Terra, Peter Wattel	European Tax Law	Wolters Kluwer, Deventer	2018
2	Marjaana Helminen	EU Tax Law – Direct Taxation	IBFD, Amsterdam	2019
3	ed. Michael Lang, Pasuale Pistone et al.	Introduction to European Tax Law on Direct Taxation	Linde, Wien	2008
4	Rita Szudoczky	The Sources of EU Law and Their Relationships: Lessons for the Field of Taxation: Primary law, secondary law, fundamental freedoms and State aid rules	IBFD, Amsterdam	2014
5	Rita de la Feria	Harmonizing Anti-Tax Avoidance Rules”, EC Tax Review	Kluwer Law International	2017
6	Aloys Rigaut	Anti-Tax Avoidance Directive (2016/1164): New EU Policy Horizons”, European Taxation, Vol. 11, No. 56	IBFD	2016
7	Mathieu Isenbaert	Law and the Sovereignty of the Member States in Direct Taxation	IBFD, Amsterdam	2010

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
8	Kees van Raad	Materials on International and EC Tax Law	International Tax Center Leiden	2011
9	Michael Lang, Josef Schuch and Claus Staringer	ECJ –Recent Developments in Direct Taxation	Linde, Wien	2018
10	Michel Lang, Patrizio Braccioni, Carlo Garbarino, et al.	European Union: Tax Treaties of the Central and Eastern European Countries	Линде, Wиен<енг>	2008

Наставни предмет	**Intermediate Public Finance**
Ознака предмета: 20.IIPF	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Обавезан предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Арсић Н. Милојко, Редовни професор Ранђеловић Д. Саша, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	1.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Providing students with fundamental, advanced- level knowledge on economics of government intervention and training students to apply modern tools of normative analysis in evaluation of government intervention.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to critically evaluate arguments for government intervention and analyze issues related to public policy making. They will be also well equipped to conduct independent research on various public finance topics.

3. Садржај/структура предмета:

•Theories of the public sector;
•The reasons for government intervention - public goods (local and international), externalities;
•Decision making in public sector - political economy (public choice) issues, including voting and rent seeking;
•Tax competition;
•Intertemporal efficiency;
•Taxation and economic growth;
•Economics of climate policy.

4. Методе извођења наставе:

Lectures, tutorials, students' research and presentations.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Hindriks J. and G. Myles	Intermediate Public Economics, 2nd edition	MIT Press	2013
2	Auerbach, A., Chetty, R., Feldstein, M. and E. Saez	Handbook of Public Economics	North-Holland	2014
3	Muller, D.	Public Choice III	Cambridge University Press	2003

Наставни предмет	**Applied Macro-Finance**
Ознака предмета: 20.IAMF	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Ранђеловић Д. Саша, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Providing students with fundamental, advanced level knowledge of macroeconomic theory of a small and open economy, with the focus on the impact of macro-level economic performances and policy on financial markets and assets valuation

2. Исходи образовања (Стечена знања):

After completion of the course students will be able to:
•Grasp the theoretical foundations of the relationship between (macro)economic performances, economic policy and financial markets;
•Understand theoretical models related to formation and dynamics of main economic aggregates (GDP, balance of payment, inflation, exchange rate and interest rates) in an open economy;
•Perform empirical evaluation of economic performances, using the principles of financial programming;
•Analyze the impact of economic trends and policies on prices of financial and non-financial assets

3. Садржај/структура предмета:

•National income and the balance of payment – conceptual issues;
•Exchange rate and the foreign exchange market: Demand and supply of foreign exchange, import and exports elasticities – Marshall-Lerner condition; Covered, uncovered and real interest rate parity; Monetarist and Dornbusch model of the exchange rate; Expectations, money supply and determination of the exchange rate; Optimal currency area;
•Prices and exchange rate: Purchasing-power-parity and monetarist approach to the balance of payment; Balassa-Samuelson effect; The Real Exchange Rate;
•Output and exchange rate: Spending and exchange rate in the Keynesian model of small and open economy; Mundell-Fleming model with partial or perfect capital mobility; Fiscal and monetary policy with perfect capital mobility and flexible exchange rates;
•Returns of different asset classes over the business cycle, the link between returns and inflation, and the implications for expected returns

4. Методе извођења наставе:

Lectures, tutorials and students' assignments

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	R. Caves, J. Frankel and R. Jones	World Trade and Payments: an Introduction (International Edition), 10e	Pearson	2006
2	P. Krugman, M. Obstfeld and M. Melitz	International Economics: Theory and Policy, 11th edition	Pearson	2018
3	M. Obstfeld and K. Rogoff	Foundations of International	MIT Press	1996

Наставни предмет	Applied Microeconomics
Ознака предмета: 20.IAPM	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Обавезан предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Економска теорија и анализа
Наставници:	Трифуновић Д. Дејан, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	1.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of the course is to upgrade students' level of knowledge of microeconomics from the undergraduate level and to provide more detailed insight in the comparative statics analysis by using the calculus. Students will obtain more sophisticated knowledge about optimal decisions of consumers, producers and investors through more complex graphical and analytical analysis than at the undergraduate level. The same approach will be used for market structures. The emphasis is put on general equilibrium and decision making under uncertainty, which is the basis for economic analysis of financial markets in financial economics

2. Исходи образовања (Стечена знања):

Students will be able to apply comparative statics, as a method of economic analysis, for the analysis of optimal decisions of consumers, firms and investors in real market situations. They will also be able to compare market structures that exist in different industries. Based on the acquired knowledge from general equilibrium and uncertainty, students will be able to calculate equilibrium prices of financial assets and to predict the behavior of investors (to the extent that it is possible) in financial markets

3. Садржај/структура предмета:

•Primal and dual problem in consumer's choice
•Optimal choice in production
•Short-run and long-run equilibrium of perfect competition for different returns to scale.
•Monopoly and price discrimination
•Oligopolies and conjectural variation
•The application of game theory in finance
•Axioms of decision making under uncertainty and expected utility, state contingent indifference curves, Insurance markets, Risk sharing by exchanging AD securities
•Theorems of Welfare
•Asymmetric Information

4. Методе извођења наставе:

Lectures, tutorials, students' assignments

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Binger and Hoffman	Microeconomics with Calculus	HarperCollins	1997
2	Nicholson W. and C.M.Snyder	Microeconomic Theory	South West. College Publishing	2012
3	Gibbons, R.	A Primer in Game Theory	Harvester New York, London	1992

Наставни предмет	EU Company Law
Ознака предмета: 20.IECL	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Ђуровић М. Матеја, Гостујући професор Радовић Г. Вук, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of the course is to acquire in-depth knowledge of European Union Company Law, as well as to acquire practical skills in this field.

2. Исходи образовања (Стечена знања):

Upon completion of this course, the student is familiar with EU law and practice regarding business societies and is able to provide expert opinions on these issues, as well as to pursue further practical and theoretical research.

3. Садржај/структура предмета:

Theoretical teaching
1. Introduction and sources of EU company law
2. Right of occupancy
3. European Forms of Societies - European Company, European Economic Interest Grouping and European Cooperative Society
4. Transparency: disclosure of information on companies and branches
5. Capital and financing of companies, formation and maintenance of capital, changes in capital, alternative systems of capital protection
6. Shareholder rights
7. Independent directors, compensation to board members
8. Groups of companies
9. Status changes - national and cross-border
10. Takeover of joint stock companies
11. Cross-border change of seat (conversions)

Practical teaching
Analysis of relevant sources and practices of the European Court of Justice

4. Методе извођења наставе:

Lectures, case studies, students' presentations followed by discussions.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Stefan Grundmann	European Company Law: Organization, Finance and Capital Markets	Intersentia, Antwerpen – Oxford	2012
2	-Adriaan Dorresteijn, Tiago Monteiro, Christoph Teichmann, Erik Werlauff	European Corporate Law, second edition	Kluwer Law International, Alphen aan den Rijn	2009
3	Erik Werlauff	EU-Company Law: Common business law of 28 states, 2nd edition	DJØF Publishing, Copenhagen	2003

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
4	K. Hopt & E. Wymeersch	European Company and Financial Law: European Community Law – text collection Berlin	New York, Walter de Gruyter	1994
5	V. Edvards	EC Company Law	Oxford:Oxford University Press	1999

Наставни предмет	Behavioural Economics and Finance
Ознака предмета: 20.IBEF	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Рачуноводство и пословне финансије
Наставници:	Тодоровић М. Мирослав, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The main course objective is to broaden students’ knowledge and intuition about variousbehavioral and psychological mechanisms whichshape human behavior and decision making process. Classic economic theories, practices and models will be enriched by concepts such as limited rationality, limited arbitrage, time discounting, self-control, as well as different judgment biases and heuristics which will enable students to understand complexity of decision making

2. Исходи образовања (Стечена знања):

Students will be able to understand choices made by individuals who are not perfectly rational, who use heuristics and are liable to biases in making decisions. They will be able to predict market implications of behavioral economics concept, as well as psychological issues, and to determine how equilibrium is established in new circumstances

3. Садржај/структура предмета:

?Introduction: From Classical to Behavioral Economics
Prospect Theory
Salience Theory
Heuristics and Biases 1
Heuristics and Biases 2
Attention, Mental Accounting, Self-control, Nudges
Time Discounting, Time Preference and Intertemporal Choice Theory
Experimental Economics
Behavioral Finance: Market Puzzles
Behavioral Finance: Limited Arbitrage and Belief Heterogeneity
Behavioral Finance: Asset Price Bubbles - Theoretical Approach and Practical Class in Experimental Lab
Neuroeconomics

4. Методе извођења наставе:

Lectures, tutorials, research articles analysis, student presentations, reading reflections, problem sets

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност на презентацији	Да	5.00	Писмени испит	Да	60.00
Активност у току предавања	Да	5.00			
Колоквијум	Да	30.00			

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Kahneman, D. and Tversky, A. (eds.)	Choices, Values and Frames	Cambridge University Press	2000
2	Shleifer, A.	Inefficient Markets	Oxford University Press	2000
3	Kahneman, D.	Thinking Fast and Slow	Farrar, Straus and Giroux	2011

Наставни предмет	Corporate Finance
Ознака предмета: 20.ICOF	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Рачуноводство и пословне финансије
Наставници:	Тодоровић М. Мирослав, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Course objective is to develop and to broaden students' knowledge, skills and intuition related to corporate investment, financing and dividend policy decision making processes, as well as to prepare students to set objectives and solve problems which arise in financial management of a corporation, and to introduce them with the importance of corporate taxes in investment decision making, corporate and personal taxes in relevant capital structure theories, as well as taxation issues in payout policy.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to:
•explain role and purpose of financial management
•understand the time value of money concept
•apply capital budgeting techniques to the evaluation of capital investment projects
•understand the effects of depreciation tax shield on investment decision making process
•comprehend the relationship between capital structure and company value
•explain the effects of corporate and personal taxes on optimal capital structure,
•analyze choices of payout policies made by managers
•discuss the impact of different tax rates and timing of taxation on dividend policy.

3. Садржај/структура предмета:

The course covers the following topics:
•Time value of money;
•Making investment decisions using different project appraisal techniques;
•Special issues and challenges in investment appraisal process: depreciation tax shield, investment timing decision, choice between long- and short-lived equipment, replacement decision making;
•The choice of corporate capital structure: Modigliani-Miller (MM) irrelevance theorem, MM and corporate taxation, Trade-off theory, Miller equilibrium with corporate and personal taxation, Pecking order theory;
•Payout policy: dividends and repurchases;
•Dividend policy: taxation and clientele theory.

4. Методе извођења наставе:

lectures, analysis of articles, students' presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Brealey, R. A., Myers, S. C., Allen, F.	Principles of Corporate Finance	McGraw Hill Education	2017

Наставни предмет	Fixed Income Securities
Ознака предмета: 20.IFIS	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Божовић Ч. Милош, Редовни професор Јанковић М. Ирена, Редовни професор Копривица Р. Марија, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	1.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course discusses fixed income securities and markets as well as interest rate derivatives. We study valuation and hedging using these instruments.

2. Исходи образовања (Стечена знања):

At the end of the course, students will understand the institutional aspects and methods of valuation of fixed income securities such as bonds and related instruments, construction of yield curves, valuation and hedging using interest rate derivatives.

3. Садржај/структура предмета:

Theory lessons
This course studies fixed income securities: market characteristics and types of instruments; bond valuation; term structure of interest rates; interest rate risk assessment and hedging; term structure dynamics (Merton, Vasicek, Cox-Ingersoll-Ross, Hull-White and Heath-Jarrow-Morton models); numerical methods with applications in valuation of interest-rate derivatives.

Practice lessons: practice classes, other forms of teaching, study research work
Computer-based exercises and projects

4. Методе извођења наставе:

Lectures with practical examples and computer exercises. Participants are required to complete a practical project using real data from the financial markets.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Студије случаја	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	L. Martellini, P. Priaulet and S. Priaulet	Fixed-Income Securities	John Wiley & Sons	2003

Наставни предмет	**Digitalisation and Taxation**
Ознака предмета: 20.IDAT	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Арсић Н. Милојко, Редовни професор Жарковић-Ракић Н. Јелена, Редовни професор Ранђеловић Д. Саша, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The aim of the course is to introduce students to the impact of digitalization and robotization on national and international tax policy, tax enforcement and tax compliance. The course will discuss the impact of developments in the nature of labor relations,the changes in the understanding of the concept of the place of business, emergence of on-line platforms and the sharing economy on tax policy design and tax enforcement strategies. The course is also aimed at developing profound understanding of the implications of digital transformation on tax compliance mechanisms. Apart from the aforementioned, the course objective is to introduce students to the initiatives of the OECD, European Union, as well as a country-level initiatives aimed at enhancing equitability of profit taxation in digital era.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to: analyze and discuss crucial challenges posed by digitalization and robotization for tax policy and tax compliance, critically evaluate current proposals by the OECD and the European Union intended to establish a more equitable system of taxation of taxpayers doing business in digital era, evaluate potential implications of these initiatives on cross-border business activities and transactions.

3. Садржај/структура предмета:

The course covers the following topics:
•The effect of digitalization and robotization on the nature of labor and level of unemployment;
•Specific measures intended to smooth the effect of robotization on the level of unemployment: a) universal basic income, b) taxation of robots, c) limiting tax incentives for automation (the so-called automation tax);
•Challenges of digitalization for cross-border taxation of business activities of companies;
•Basic models of digital businesses;
•Specific measures for taxation of the so-called digital economy: a) revision of the permanent establishment concept, b) equalization tax, c) tax on cross-border digital services, d) withholding taxes;
•Digital presence concept, digital investment concept.

4. Методе извођења наставе:

lectures, case studies, students’ presentations followed by discussions

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Mike Hammer	Brave New World: Automation, Unemployment and Robot Taxes	White paper 4 July 2019, IBFD, Amsterdam 2019	2019
2	Wolfgang Schön	Ten Questions about Why and How to the Tax Digitalized Economy	Bulletin for International Taxation	2018

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
3	Piergiorgio Valente	Digital Revolution. Tax Revolution?	Bulletin for International Taxation, Vol. 72, No. 4a/Special Issue 2018	2018
4	Marie Sapirie	Permanent Establishment and the Digital Economy	Bulletin for International Taxation, Vol. 72, No. 4a/Special Issue 2018;	2018
5	Lee A. Sheppard	Digital Permanent Establishment and Digital Equalization Taxes	Bulletin for International Taxation, Vol. 72, No. 4a/Special Issue 2018	2018
6	Georg Kofler, Gunter Mayr, Christoph Schlager	Taxation of the Digital Economy: A Pragmatic Approach to Short-Term Measures	European Taxation	2018
7	Larisa Gerzova, Ola Ostaszewska, Oana Popa	Taxation of the Digital Economy – the EU's outlook	30 April 2018, IBFD, Amsterdam	2018
8	Peter Hongler, Pasquale Pistone	Blueprints for a New PE Nexus to Tax Business Income in the Era of the Digital Economy	Working paper 20 January 2015, IBFD, Amsterdam	2015

Наставни предмет	Derivatives
Ознака предмета: 20.IDER	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Шошкић Б. Дејан, Редовни професор Божовић Ч. Милош, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The aim of this course is to give an overview of derivatives markets and to illustrate basic methods of derivatives pricing.

2. Исходи образовања (Стечена знања):

At the end of the course, students will understand the institutional aspects and methods of valuation of derivative securities such as forwards, futures, swaps and options, and fixed income securities such as bonds and related instruments.

3. Садржај/структура предмета:

The course starts with mechanics of derivatives markets, and introduces forwards and futures, and application of these instruments in hedging. No-arbitrage argument is used to derive prices of most important types of forwards and futures. The course continues with options, their properties, trading strategies involving options, and a brief overview of exotic options. These topics are followed by interest-rate derivatives, CDSs, commodity, energy and weather derivatives.

The second part of the course introduces stochastic processes used for asset price modeling, Itô's lemma, and general principles of risk-neutral pricing in continuous time and its relationship with the no-arbitrage principle. Partial differential equations and risk-neutral expected values are used as two equivalent ways to price derivatives and other contingent claims. Here, the Black-Scholes-Merton model is introduced as an illustration of these principles in option pricing. Some related topics, such as option "Greeks" and volatility smiles, are presented.

The course concludes with the most important numerical methods used in derivatives pricing, with an emphasis on Monte Carlo simulations.

4. Методе извођења наставе:

Lectures with practical examples and computer exercises

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Проблем сетс	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Hull, J.C.	Options, Futures, and Other Derivatives(9th ed.)	Prentice Hall	2014

Наставни предмет	Growth Theory and Economic Policy
Ознака предмета: 20.IGTP	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Арсић Н. Милојко, Редовни професор Авлијаш Г. Соња, Доцент Глигорић Матић Ж. Мирјана, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Students obtain rich knowledge on economy in the long run with a special focus on the interactions among data, theory and history in explaining economic growth and policy issues. The first part of the course will introduce a number of theoretical models to develop an analytical framework of economic growth in historical perspective and across countries. The second part of the course is devoted to the role played by the Government and Central bank in the economy in long and short run.

2. Исходи образовања (Стечена знања):

Students are expected to beable to understand the fundamental theories explaining economic growth and policy; to manipulate the models; to collect and analyze the facts of economic growth and policy issues across countries and time; to evaluate the evidence bearing on economic growth and policies; to become fully engaged in economic research and communicate effectively the results of their economic analysis.

3. Садржај/структура предмета:

•An Overview of Long-Run Economic Growth
•A Model of Production
•The Solow-Swan Growth Model
•The Ramsey-Cass-Koopmans Model
•The Diamond Model
•The Economics of Ideas
•Endogenous Growth Model
•Modern Monetary Policy
•The Government and the Economy

4. Методе извођења наставе:

Lectures, tutorials, students’ research and presentations.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Jones and Vollrath	Introduction to Economic Growth	W. W. Norton & Company Inc.	2013
2	Robert J. Barro and Xavier Sala-i-Martin	Economic Growth	The MIT Press	2004

Наставни предмет	Intermediate Econometrics
Ознака предмета: 20.IIEC	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (МАС), Изборни предмет 50C - International master in Applied Economics (МАС), Обавезан предмет 50E - International master in Business Informatics (1) (МАС), Изборни предмет 50F - International master in Business Informatics (2) (МАС), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Младеновић Л. Зорица, Редовни професор Нојковић Ч. Александра, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	1.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The course covers key concepts in econometrics with emphasize in classical methods of estimation and inference, such as: ordinary least squares (OLS) method, maximum likelihood (ML) method, instrumental variable (IV) method, and generalized method of moments (GMM).

2. Исходи образовања (Стечена знања):

Upon completing the course, students will be able to conduct econometric analysis of linear regression model, and perform relevant statistical tests. Students will be trained to deal with problems of model specification and violations of standard assumptions. Students will also be able to draw statistical inference on regression model by applying different statistical methods.

3. Садржај/структура предмета:

•Linear regression model and OLS method.
•Applications of linear regression model: hypothesis testing, regressors selection, and violations of classical model assumptions.
•Asymptotic properties of the OLS estimation.
•The ML estimation: key principles, asymptotic properties, and likelihood-based hypothesis testing.
•The IV estimation: simple and generalized approach, asymptotic properties, and two-stage least squares method.
•The GMM estimation: definition, asymptotic properties, design of the weighting matrix, and tests for overidentifying restrictions.

4. Методе извођења наставе:

Lectures, tutorials, students' research and presentations.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Stock, J. H. and M. W. Watson	Introduction to Econometrics, 4th global ed.	Pearson Education	2019
2	Davidson, R. and J. G. MacKinnon	Econometric Theory and Methods	Oxford University Press	2004
3	Verbeek, M.	A Guide to Modern Econometrics, 5th ed.	Wiley	2017

Наставни предмет	Asset Pricing
Ознака предмета: 20.IASP	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Обавезан предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Божовић Ч. Милош, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	1.00	0.00	2.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

The course is designed to provide a basis for understanding the key results of financial economics from the point of view of microeconomic theory. It introduces basic concepts of modern financial economics, with special emphasis on asset pricing theory. The practical applications of theoretical concepts will be illustrated through a review of the key empirical facts related to the behavior of market prices of financial instruments.

2. Исходи образовања (Стечена знања):

At the end of the course, students should master the microeconomic foundations of asset pricing, be able to solve theoretical problems, and to apply the theoretical concepts in practice.

3. Садржај/структура предмета:

Topics will include:
•Goods and preferences. Representation of preferences with utility function. Utility maximization problem
•General equilibrium. Competitive equilibrium. Pareto optimality
•No-arbitrage pricing with certain outcomes
•No-arbitrage pricing with risky outcomes. Fundamental equation of asset pricing
•Complete markets. Risk-neutral probabilities. Stochastic discount factor
•Expected utility function.
•Risk aversion and uncertainty aversion
•Equilibrium in financial markets
•Portfolio selection
•Consumption-based Capital Asset Pricing Model
•Empirics and the puzzles

4. Методе извођења наставе:

Lectures based on slideshow presentation and homework assignment

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Студије случаја	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Cochrane, J. C.	Asset Pricing	Princeton University Press	2005
2	Lengwiler, Y.	Microfoundations of Financial Economics	Princeton University Press	2004

Наставни предмет	Business Econometrics and Data Analysis
Ознака предмета: 20.IBED	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Младеновић Л. Зорица, Редовни професор Нојковић Ч. Александра, Редовни професор Прица З. Ивана, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

The objective of this course is to introduce students to the basic statistical and econometrical tools and prepare them for empirical work in economics.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to:
•identify and apply the appropriate statistical method to analyze data using SPSS statistical package
•adopt the principles of econometric modeling within the Classical Linear Regression Model framework
•solve econometric problems based on concrete economic data
•use statistical software packages (EViews or similar) at a basic level

3. Садржај/структура предмета:

The course covers the following topics:
•Basic concepts of sampling and probability statistics;
•Data gathering and manipulation;
•Basic statistical analysis: descriptive statistics and visualizations;
•Descriptive statistics (measures of central tendencies and dispersion; correlation);
•Chi-squared test, t-test, ANOVA;
•Regression analysis: simple and multiple regressions;
•The assumptions, properties of the OLS estimator, hypothesis testing, and prediction;
•Specific topics: multicollinearity, dummy variables, testing linear restrictions and parameter stability, autocorrelation and heteroskedasticity.

4. Методе извођења наставе:

Lectures, analysis of articles, students' presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Anderson, D. R., Sweeney, D. J., Williams, T. A., Camm, J. D., & Cochran, J. J.	Statistics for Business and Economics 14th edition	Cengage Learning	2019
2	Stock, J.H. and Watson, M, W	Introduction to Econometrics, 4th global edition	Pearson	2019
3	Asteriou, D. and Hall, S.H	Applied Econometrics, 3rd edition.	Red Globe Press	2015
4	Herschel Knapp	Introductory Statistics Using SPSS2nd edition	SAGE publications	2016
5	Edward R. Tufte	The Visual Display of Quantitative Information, 2nd edition	Graphics Press	2001

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
6	Prem S. Mann	Introductory Statistics, 8th edition	Wiley	2012

Наставни предмет	**Intermediate Macroeconomics**
Ознака предмета: 20.IINM	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Економска теорија и анализа
Наставници:	Прашчевић Ж. Александра, Редовни професор Јешић М. Милутин, Доцент

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Students obtain wide knowledge on macroeconomic environment, based on the framework of most common used macroeconomic models. Students are prepared to analyze the macroeconomic problems from the quantitative perspective. They acquire knowledge on the deep characteristics of cyclical fluctuations and its consequences on monetary and fiscal policymakers' goals and unemployment, postulates of RBC and DSGE models and economic shocks' stabilization in their framework, and institutional and political preconditions for macroeconomic stability.

2. Исходи образовања (Стечена знања):

Students are expected to understand the fundamental postulates in macroeconomic modeling; to evaluate the macroeconomic policy measures; to find the solutions for the observed models; to compare different macroeconomic frameworks; and to become engaged in macroeconomic research.

3. Садржај/структура предмета:

•Macroeconomic Model
•Inflation and Monetary Policy
•Budget and Fiscal Policy
•Unemployment
•Business Cycles and Macroeconomic Policy: Facts and Economic Shocks' Stabilization
•The Real Business Cycles Theory and Nominal Rigidities
•DSGE Model
•Macro-Pathologies, Institutions and Political Environment

4. Методе извођења наставе:

The teaching methods are based on the interactive work with students. Combined with the classical teaching methods, students will have the opportunity to actively be involved in the teaching process and solve the models by adequate software packages.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	David Romer	Advanced Macroeconomics (Fifth Edition)	McGraw-Hill Education	2019
2	Wendy Carlin, David Soskice	Macroeconomics: Institutions, Instability, and the Financial System	Oxford University Press	2015
3	Jordi Galí	Monetary Policy, Inflation, and the Business Cycle: An Introduction to the New Keynesian Framework and Its Applications (Second Edition)	Princeton University Press	2015
4	Peter Birch Sørensen, Hans JørgenWhitta-Jacobsen	Introducing Advanced Macroeconomics: Growth and Business Cycles (Second edition)	McGraw-Hill Education	2010

Наставни предмет	Investments
Ознака предмета: 20.IINV	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Обавезан предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Јанковић М. Ирена, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	1.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Developing students' competencies in the area of investment analysis and financial modeling including the focus on risk-return profile of investments, optimal portfolio selection and investment performance analysis.
Developing essential skills in valuation of securities and analysis of different investment alternatives and application of these skills to development and evaluation of investment strategies using real financial data from financial markets.
Providing essentials knowledge and investment analysis skills needed for preparation of the part of CFA exams.

2. Исходи образовања (Стечена знања):

By the end of the class participants should learn how to think analytically in formulating and solving different investment and financial problems; the students will know to valuate financial instruments and formulate adequate investment strategies; will be skilled in portfolio optimization techniques implementation; will be able to comprehend contemporary financial market trends and will have skills to formulate, execute and evaluate optimal investment decisions using real financial data.

3. Садржај/структура предмета:

Theory lessons
1.Time value of money concepts
2.Introduction to the investment process; financial instruments and markets; fundamentals of asset pricing; relationship between risk and return and process of diversification; statistical analysis of financial data.
3.Portfolio analysis and selection; Efficient set; Index models; Capital Asset Pricing Model (CAPM); Factor models; Portfolio optimization methods; Typology and characteristics of investment strategies.
4.Debt securities; Government debt securities; Corporate and municipal debt instruments; Bonds’ risks; Determinants of the level and the risk structure of interest rates; The yield curve and the term structure of interest rates; Duration measures; Bond convexity.
5.Equities; Fundamental stock analysis; Valuation of stocks; The dividend discount models.
6.Portfolio performance measurement; Active and passive management strategies.
Practice lessons: practice classes, other forms of teaching, study research work
Computer exercises and empirical project preparation. Classes are including practice lessons that are held in computer lab.

4. Методе извођења наставе:

Lectures, tutorials and students’ assignment.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	30.00	Писмени испит	Да	70.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Zvi Bodie, Alex Kane, Alan Marcus	Essentials of Investments, Seventh edition	McGraw-Hill/ Irwin, New York	2008
2	Simon Benninga	Financial modeling, Fourth edition	The MIT Press, Cambridge, Massachusett	2014

Наставни предмет Ознака предмета: 20.IIPM Број ЕСПБ: 7	IT Project Management
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Пословна економија и менаџмент
Наставници:	Каличанин М. Ђорђе, Редовни професор Лончар М. Драган, Редовни професор Вуксановић Херцег Д. Ива, Ванредни професор Куч Р. Вукашин, Ванредни професор Вучковић Ж. Теодора, Доцент

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The goal of the subject is for the students to acquire the appropriate knowledge and skills of IT project management. The importance of IT Project Management rises, since IT projects represent high investments for the modern company. IT Project Management has developed as a separate management discipline, since high level of com D. Djuricin, D. Lončar plexity and risks which may cause money and time losses for the customer. IT Projects become the main tool in facing the problems of a modern enterprise and the main lever for strategy implementation, in a digital environment of constant and radical changes. The main objective of this course is to create successful future project managers.

2. Исходи образовања (Стечена знања):

The course is supposed to provide understanding of the IT Project Management paradigm, basic terminology of a project approach, application of basic techniques of project management. Students will be acquainted with IT project management that enable successful management and completion of projects.

3. Садржај/структура предмета:

Theory lessons: Concept of a project and project types, Project life cycle, 1 Project management, PMBOK method which includes project initiation, project planning, project executing, project controlling, and project closing, agile project management, principles, SCRUM method, KANBAN method, project profitability analysis, and project financing. The basic idea of the practice lessons is based on interactive work, highlighting critical issues presented at theory classes, discussion of critical issues with students, analysis of projects from business practice, practicing various management methodology applications and project profitability analyses.

4. Методе извођења наставе:

Theory lessons present the key problems and explanatory facts, while the practice lessons teach interactively in terms of active discussion with students and preparing presentations. To be more precise, practice class methodology encompasses the following: presentation of theory and relevant techniques by the teacher, group discussion, concrete project analysis and case studies, student presentations and student projects done in MS Excel or MS Project. At least 40% of the time is dedicated to active student participation.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност на презентацији	Да	10.00	Усмени испит	Да	60.00
Активност у току предавања	Да	10.00			
Колоквијум	Да	20.00			

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Д.Ђуричин, Д. Лончар	Project management, 7ed	Faculty of Economics, Belgrade	2019
2	PMI Inc	PMBOK Guide, 6ed	Project Management Institute, Inc.	2017
3	K. S. Rubin	Essential Scrum	Addison-Wesley	2012
4	J. Phillips	IT Project Management	McGraw Hill	2004

Наставни предмет	International Tax Planning
Ознака предмета: 20.IITP	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The course objective is understanding tax and non-tax factors relevant for tax planning, as well as the presentation of the manner of functioning of crucial mechanisms used in tax planning, such as holding companies, conduit companies, hybrid entities, tax havens, the choice between different forms of financing (equity and debt financing), double tax treaties, treaty shopping, intangibles, cross-border restructuring, etc.

2. Исходи образовања (Стечена знања):

Students will gain knowledge and skills which will enable them to independently and critically analyze and design various tax planning structures, as well as to critically analyze general and specific anti-avoidance rules potentially able to thwart the effect of the designed tax planning structures, especially in the context of the BEPS Action Plan.

3. Садржај/структура предмета:

1. Tax and non-tax factors relevant for tax planning; 2. Mechanisms used for tax planning (holding companies, conduit companies, hybrid entities, hybrid financial instruments, utilization of intangibles, tax havens, choosing between financing through equity or debt, choosing between establishing a subsidiary or a permanent establishment, etc.); 3. Tax planning in the context of the BEPS Action Plan: a) Differentiation between aggressive and acceptable tax planning; b) Anti-abusive measures directed against aggressive tax planning.

4. Методе извођења наставе:

Lectures, case studies, students' presentations followed by discussions.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Raffaele Russo	Fundamentals of International Tax Planning	IBFD, Amsterdam	2007
2	Luc De Broe	International Tax Planning and Prevention of Abuse	IBFD, Amsterdam	2008
3	Rohit Gupta	Principles of International Tax Planning	Taxmann, New Delhi	2015
4	John Gallemore, Brandon Gipper, Edward Maydew	Banks as Tax Planning Intermediaries	Journal of Accounting Research, Vol. 57 No. 1	2019
5	José Manuel Calderón Carrero, Alberto Quintas Seara	The Concept of 'Aggressive Tax Planning' Launched by the OECD and the EU Commission in the BEPS Era: Redefining the Border between Legitimate and Illegitimate Tax Planning	Intertax, Volume 44, Issue 3	2016
6	Kevin Dolan & Michael F. Walsh	Use of Holding Companies in International Tax Planning	Taxes, Vol. 73	1995

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
7	Wolfram Scheffler	CCCTB: Influence on Extent and Complexity of Tax Planning	Practical Problems in European and International Tax Law – Essays in Honour of Manfred Mössner (eds. Heike Jochum et al.), IBFD, Amsterdam	2016
8	Ana Paula Dourado	The Meaning of Aggressive Tax Planning and Avoidance in the European Union and the OECD: An Example of Legal Pluralism in International Tax Law in International Tax Law (ed. J. Englisch)	IBFD, Amsterdam	2016

Наставни предмет	Machine Learning and Data Mining
Ознака предмета: 20.IMLD	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Радојичић М. Драгана, Доцент

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course introduces supervised and unsupervised machine learning methods in the context of empirical asset pricing and quantitative investment strategies. The focus is on applications of advanced statistical techniques to time series and cross sectional models of equity risk premium, which represent one of the bedrocks of modern empirical finance research.

2. Исходи образовања (Стечена знања):

The learning goals of the course are to introduce state-of-the-art techniques for developing and backtesting factor models, as well as to provide a hands-on experience with large datasets comprising market prices, fundamental and macroeconomic variables.

3. Садржај/структура предмета:

Theory lessons
An overview of modern empirical asset pricing, with special emphasis on the equity risk premium and factor models
Introduction to machine learning and big data in finance
Classical machine learning: Ordinary and Robust Least Squares
Penalized linear models (shrinkage): LASSO, Ridge Regressions, and Elastic Nets
Dimension reduction techniques: Principal Components Analysis and Partial Least Squares
Regression Trees and Random Forests
Neural Networks
Model backtesting and selection

Practice lessons: practice classes, other forms of teaching, study research work

Infrastructure, data types and structures, input/output operations and data analysis, numerical computing, data visualization, and object-oriented programming
Implementation of a number of machine learning techniques using large datasets (the exercises focus on replication of recent important research papers)
Other computer-based exercises and projects

4. Методе извођења наставе:

Lectures with practical examples and computer exercises. Participants are required to complete a research assignment using real financial markets data.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	30.00	Истраживачки студијски рад	Да	70.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	J. Friedman, T. Hastie, and R.Tibshirani	The elements of statistical learning: Data mining, inference, and prediction	Springer	2009
2	M. L. De Prado	Advances in financial machine learning	John Wiley & Sons	2018
3	T. Guida	Big data and machine learning in quantitative investment	Wiley	2018

Наставни предмет	Mathematics and Modelling for Economics and Finance
Ознака предмета: 20.IMME	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Обавезан предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Боричић Р. Бранислав, Редовни професор Илић М. Мирјана, Редовни професор Станојевић С. Јелена, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	1.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

Providing students with fundamental advanced level knowledge on mathematical modeling in economics and finance.

2. Исходи образовања (Стечена знања):

To develop knowledge and skills with students which shall allow them to analyze and independently extend the economic and financial models. After completion of the course, students should be able to conduct quantitative research on various economic and financial topics.

3. Садржај/структура предмета:

The basic notions of mathematical analysis (Functions, sequences and series; Difference equations; Differential and integral calculus of one variable; Differential equations; Functions of many variables; Partial derivatives) and linear algebra (Matrix algebra; Eigen values, Eigen vectors; Cholesky decomposition; Quadratic forms) are followed by advanced optimization theory (Single-variable and multivariable unconstrained and constrained optimization
•The method of Lagrange multipliers; Dynamic programming) and numerical analysis (Numerical optimization).
•Elements of probability theory (Distributions, mathematical expectation and dispersion) and statistics (Estimation theory; Confidence interval; Hypothesis testing; Correlation, regression).
•Practice problems in calculus, optimization and probability theory with applications in economics and finance.

4. Методе извођења наставе:

Lectures, tutorials, students’ assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	K. Sydaeter, P. Hammond, A. Seierstad, A. Strom	Further Mathematics for Economic Analysis	Prentice Hall, London	2005
2	S. M. Ross	Introduction to Probability Models	Academic Press, San Diego	2003
3	A. Quarteroni, R. Sacco, F. Saleri	Numerical Mathematics	Springer, Berlin	2000

Наставни предмет	Policy Analysis and Impact Evaluation
Ознака предмета: 20.IPAI	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Крстић П. Горана, Редовни професор Нојковић Ч. Александра, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course introduces students to quantitative evaluation methods and their use in (economic) policy analysis. The course will focus on the application of experimental and quasi-experimental evaluation methods in economics.

2. Исходи образовања (Стечена знања):

Students will learn about key elements of impact evaluation methods, and be able to critically evaluate their strengths and weaknesses. Upon completing the course, students will be able to interpret and discuss the results research using experimental and quasi-experimental evaluation methods and to critically evaluate empirical research.

3. Садржај/структура предмета:

•Randomised control trials;
•Individual fixed effects;
•Difference-in-difference methods;
•Regression discontinuity designs;
•Before and after' and interrupted time-series designs;
•Matching methods (including propensity score matching);
•Microsimulation methods;
•Cost-benefit analysis (public sector);
The course has a high practical element, with students regularly analyzing data using STATA or R.

4. Методе извођења наставе:

Lectures, tutorials, students' assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	J.D. Angrist and J-S.Pischke	Mostly Harmless Econometrics: An Empiricist' Companion	Princeton University Press	2009
2	J.D. Angrist and J-S. Pischke	Mastering 'Metrics	Princeton University Press	2015

Наставни предмет	Risk Modelling
Ознака предмета: 20.IRIM	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Божовић Ч. Милош, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course introduces the concepts, techniques and tools required for quantitative risk analysis. The focus will be on the volatility models, as well as quantification and forecasting of risk measures such as Value-at-Risk and Expected Shortfall.

2. Исходи образовања (Стечена знања):

The learning goals of the course are to introduce state-of-the-art techniques for modeling financial time series and managing financial risk and to get a hands-on experience with real data.

3. Садржај/структура предмета:

Theory lessons
?Financial time series – concepts, models, and estimation techniques
?Stylized facts of financial returns
?Univariate volatility models – moving average models, GARCH and conditional volatility, other GARCH-type models
?Multivariate volatility models – EWMA, orthogonal GARCH and multivariate extensions of GARCH models
?Risk measures – Value-at-Risk and Expected Shortfall
?Forecasting methods – historical simulation, analytical method, and Monte Carlo simulation
?Backtesting and stress testing techniques
?Special topics – Extreme Value Theory, endogenous risk, model risk

Practice lessons: practice classes, other forms of teaching, study research work
Computer-based exercises and projects

4. Методе извођења наставе:

Lectures with practical examples and computer exercises. Participants are required to complete a practical project using real data from the financial markets.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Истраживачки студијски рад	Да	40.00	Презентација истраживачког пројекта	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	J. Danielsson	Financial Risk Forecasting	Wiley Finance	2011
2	J.C. Hull	Risk Management and Financial Institutions (4th ed.)	Wiley Finance	2015
3	R. Tsay	Analysis of Financial Time Series	Wiley	2010

Наставни предмет	Topics in Economics
Ознака предмета: 20.ITIE	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Ранђеловић Д. Саша, Редовни професор Стојановић Д. Жаклина, Редовни професор Трифуновић Д. Дејан, Редовни професор Жарковић-Ракић Н. Јелена, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Topics in Economics serve as an excellent foundation for training and demonstration of research-focused students' roles. The specific topics are devoted to the core elements of economics, which require in-depth discussion among students supported by leading economists.

2. Исходи образовања (Стечена знања):

Each of the selected topics makes a good starting point for students to improve their research. At the completion of this course, students will be able to:
• classify the relevant issues in Economics
• describe and debate top themes in Economics;
• strengthen their capacities to write about relevant issues in Economics using criticism;
• evaluate and discuss optimal policy decisions in Economics.

3. Садржај/структура предмета:

The course will support learning process by substantial debate on the economic issues related to the most important and controversial economic topics today, such as:
• impact of value added tax on productivity,
• should the government rise minimum wage,
• globalization and effects on economic development,
• corporate mega mergers,
• tech monopolies and state control,
• inequality and sustainability.

4. Методе извођења наставе:

Problem solving based teaching and case study methods.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у дискусијама	Да	20.00	Писмени испит	Да	60.00
Истраживачки студијски рад	Да	20.00			

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Card, D., Ashenfelter, O.	Handbook of Labor Economics	Elsevier	2019
2	Heckman J., Leamer E.	Handbook of Econometrics	Elsevier	2019

Наставни предмет	Taxation of Wealth and Financial Services
Ознака предмета: 20.ITFS	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Изборни предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Арсић Н. Милојко, Редовни професор Ранђеловић Д. Саша, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

Course objective is to provide students with theoretical and empirical knowledge and skills, related to analysis of issues in taxation of financial and non-financial assets and taxation of transactions and services in financial sector, as well as related to techniques of evaluation of financial and economic effects of taxation of assets and financial services.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to: evaluate tax implications of transactions involving financial and non-financial assets, estimate tax implications of financial transactions, analyze key issues in taxation of services in financial industry, analyze and research economic effects and legal challenges related to net wealth and financial services taxation.

3. Садржај/структура предмета:

The course covers the following topics:
•Taxation of real estate and other types of non-financial assets;
•Taxation of financial assets;
•Economic and legal aspects of net wealth taxation;
•Economic and legal aspects of taxation of financial institutions;
•Taxation of transactions involving financial and non-financial assets;
•Taxation of financial services;
•Digitalization and taxation of financial assets and services.
The topics will be discussed from theoretical point of view, as well from the perspective of institutional framework and policy in Serbia and the European Union. The course will especially be dealing with the analysis of challenges related to taxation of net wealth and financial services in the era of digitalization and globalization.

4. Методе извођења наставе:

lectures, analysis of articles, students' presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Не	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	1.Weber, D. and O. Marres	Taxing the Financial Sector	IBFD	2012
2	2.Honohan, P.	Taxation of Financial Intermediation: Theory and Practice for Emerging Economies	World Bank Publication	2003

Наставни предмет	Information System Management
Ознака предмета: 20.IISM	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Статистика и математика
Наставници:	Спремић . Марио, Гостујући професор Зечевић Т. Александра, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of this course is to introduce students to modern methods of information resources management as well as to present the trends in information technology and highlight the most promising areas of IT implementation.

2. Исходи образовања (Стечена знања):

Students will be able to guide the development of information systems in the company to be in line with company business plans, to use information systems in organizations, to oversee the use of information and related technology to create value and manage the risks associated with using information and technology, to identify and establish Standards and frameworks for implementing IT governance, to implement business intelligence and analytics technologies such as Cloud computing, to standardize and organize IT infrastructure that it aligns with business goals, to assess IT investment: cost, benefits and risks, and to acquire and develop business applications and infrastructure that will maximize firm’s value, to manage and oversee projects for software development, hardware installations, network upgrades, etc., to implement processes and methodologies for keeping information confidential, available, and for assuring its integrity.

3. Садржај/структура предмета:

The course will include the following topics: IT Governance; Standards and frameworks for implementing IT governance; Outsourcing; Cloud computing; Legal issues of ISM; Enterprise Architecture; Cost Benefits (Incremental) Analysis; Assessment of development costs; IS as a resource; Acquiring and Developing Business Applications and Infrastructure; IT Project management; Benefits management; IS security.

4. Методе извођења наставе:

lectures and class discussions, case studies, computer labs, team projects and presentations, class assignments

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Efraim Turban, Linda Volonino, Gregory R. Wood	Information technology for management: advancing sustainable, profitable business growth	Wiley	2013
2	Kenneth C. Laudon, Jane P. Laudon	Management Information Systems: Managing the digital firm	Pearson	2019

Наставни предмет	Big Data Management
Ознака предмета: 20.IBDM	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50C - International master in Applied Economics (MAC), Изборни предмет 50E - International master in Business Informatics (1) (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Статистика и математика
Наставници:	Попович . Алеш, Гостујући професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of this course is to introduce students with basic concepts of big data and analytics, characteristics and specifics compared to traditional data analytics as well as with contemporary techniques and tools that are used for data preparation and analysis in the context of big data

2. Исходи образовања (Стечена знања):

Students will be able to distinguish what is Big Data (volume, velocity, variety), to explain where it comes from, how Big Data is prepared, processed, stored, , tranferred, analyzed and backed up, to understand how structured data are extracted from unstructured data, to use technologies such as Hadoop, Spark, Data Lakes, etc, to implement big data analytics techniques (machine learning, data compression, efficient algorithms, etc), to implement big data analytics i.e. to examine large and varied data sets to uncover information, such as hidden patterns, unknown correlations, market trends and customer preferences, that can help organizations make informed business decisions, to addentify areas where Big Data analysis can be applied, such as banking sector, tourism, e-commerce, education, digital marketing, etc.

3. Садржај/структура предмета:

•Definition and applications
•Overview of technologies
•Data acquisition and preparation
•Data infrastructure
•Big data analytics
•Implementation of big data analytics

4. Методе извођења наставе:

lectures and class discussions, computer labs, team projects and presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Tony Ayoola	Big Data Management - Developing and using modern big data management systems	Eden management business&technology institute	2017
2	Sumit Gupta, Shilpi	Real-Time Big Data Analytics	Packt publishing	2016

Наставни предмет	Information System Analysis and Design
Ознака предмета: 20.IIAD	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Зечевић Т. Александра, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of this course is to develop and broaden students' knowledge and skills related to various methods and techniques of development information systems (IS), which are in line with the business plans of the organization. The aim is to enable students to select and use appropriate methods to solve practical problems in business.

2. Исходи образовања (Стечена знања):

Students will be able to understand the importance of different themes in IS development, such as modeling (e.g. process, object and data modelling), engineering and construction themes (e.g. legacy system, software engineering, data warehouse and data mining), people themes (e.g. end-user computing, expert systems, customer orientation) and external development (e.g. Open source software, Enterprise resource planning). Students will be acquainted with the methodologies as a series of phases and steps through which a project must proceed, so they will be well trained for a detailed design of software, databases and hardware configurations. Explain how various methods and techniques of IS development are created and evolved, to understand what are trends and what are the guidelines for the development of different methods and how they are combined and used. After adopting GUI design tool, students will be able to produce blueprints of future websites and applications.

3. Садржај/структура предмета:

1. Themes in IS development (Modeling themes; Engineering and construction; People themes; External development);
2. Methods (Process-oriented; Object-oriented; Web-oriented; Agile; SCRUM);
3. Techniques (Process-oriented; Object-oriented; Project management techniques);
4. GUI design
5. Method and technique comparisons

4. Методе извођења наставе:

lectures and class discussions, case studies, computer labs, team projects and presentations, class assignments

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Scott Tilley, Harry Rosenblatt	System Analysis and Design, 11th edition	Cengage learning	2016

Наставни предмет	Direct and Indirect Taxes
Ознака предмета: 20.IDIX	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Обавезан предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Арсић Н. Милојко, Редовни професор Ранђеловић Д. Саша, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

This course shall provide students with in-depth understanding of design and structure of main taxes, inherent to contemporary tax systems – direct taxes (personal income tax, social security contributions, corporate income tax) and indirect taxes (VAT and excise duties). In addition, the course is aimed at providing students with the insight in parameterization of these taxes and training them to conduct assessment of main taxes and corresponding compliance obligations.

2. Исходи образовања (Стечена знања):

After completion of the course, students will gain knowledge which enables them to independently and critically analyze and apply provisions of tax legislation in the field of different taxes, as well as to analyze comparative tax measures, and to develop abilities for critical analysis of provisions in national tax system vis-a-vis provisions characteristic of foreign tax systems.

3. Садржај/структура предмета:

The course covers the following topics:
•Classifications of taxes;
•Basic elements of the legal definition of a tax: taxpayer, taxable event, taxable base, tax rate, tax reliefs;
•Plurality of taxes
•Direct taxes: a) Personal income tax, b) Corporate income tax, c) Property taxes, d) Social security contributions;
•Indirect taxes: a) Value Added Tax, b) Excise duties;
•Mechanisms for assessing tax: a) Self-assessment in the narrower sense, b) Regular tax assessment, c) Assessment and the withholding tax mechanism;
•Advance payment of tax.

4. Методе извођења наставе:

lectures, case studies, students' presentations followed by discussions

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Victor Thuronyi	Tax Law Design and Drafting, vol. 1	International Monetary Fund, Washington, D.C.	1996
2	Victor Thuronyi	Tax Law Design and Drafting, vol. 2	Monetary Fund, Washington, D.C.	1998
3	Victor Thuronyi	Comparative Tax Law	, Kluwer, The Hague	2003
4	Cedric Sandford	Why Tax Systems Differ	Fiscal Publications	2000
5	eds. J.G. Head, R. Krever	Company Tax Systems	Australian Research Foundation	1997
6	Alain A. Tait	Value Added Tax – International Practice and Problems	International Monetary Fund	1998
7	Sijbren Cnossen	Excise Systems: A Global Study of Selective Taxation of Goods and Services,	John Hopkins University Press	1977

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
8	IBFD Tax Knowledge Centre	European Tax Handbook	IBFD Tax Knowledge Centre	2019
9	Hugh J. Ault, Brian J. Arnold	Comparative Income Taxation. A Structural Analysis	Kluwer Law International	2010

Наставни предмет	Comparative Tax Systems in the "Belt and Road" Area
Ознака предмета: 20.ICTS	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (МАС), Изборни предмет 50H - International master in Taxation (2) (МАС), Изборни предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Арсић Н. Милојко, Редовни професор Ранђеловић Д. Саша, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

This course provides students with the comparative overview of features of contemporary tax systems in selected CEE countries that are covered by the “Belt and Road” initiative and China. The course should help students to understand the similarities, differences across the tax systems and the causes of these similarities and differences, as well as opportunities and obstacles such similarities and differences present for the increasing investment and cooperation within the “Belt and Road” initiative.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be trained to conduct the cross-country comparative analysis of tax systems. Students will be able to:
•identify differences between various “families” of tax systems themselves
•evaluate and discuss future tax issues which could potentially emerge in countries participating in the “Belt and Road“ initiative
•evaluate tax implications of business operations in multiple jurisdictions in the “Belt and Road” area.

3. Садржај/структура предмета:

The course covers the following topics:
•The importance of comparative study of tax systems;
•Tax system families;
•Tax systems of Central and Eastern European countries;
•Tax system in the People’s Republic China;
•Basic tax aspects of the “Belt and Road“ initiative: a) Coordination of countries’ tax administration within the „Belt and Road“ initiative, b) Tax planning in the context of the “Belt and Road“ initiative, c) Double tax treaties between countries part of the “Belt and Road“ initiative, d) Transfer pricing rules in the context of the “Belt and Road“ initiative, e) Challenges in the context of Value Added Tax in the countries members of the “Belt and Road“ initiative.

4. Методе извођења наставе:

Lectures, case studies, students’ presentations followed by discussions

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Michael Lang, Jeffrey Owens	Removing Tax Barriers to China’s Belt and Road Initiative	Wolters Kluwer	2018
2	OECD	China's Belt and Road Initiative in the Global Trade, Investment and Finance Landscape, Business and Finance Outlook	OECD Publishing, Paris	2018
3	Victor Thuronyi	Comparative Tax Law	Kluwer, The Hague	2003
4	Jörg Manfred Mössner	“Why and How to Compare Tax Law” Introduction to Comparative Tax Law (eds. Claudio Sacchetto, Marco Barassi)	Rubbettino	2008
5	Cedric Sandford	Why Tax Systems Differ - A Comparative Study of the Political Economy of Taxation	Fiscal Publications, Perrymead	2000

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
6	Reuven Avi-Yonah, Nicola Sartori, Omri Marian	Global Perspectives on Income Taxation Law	Oxford University Press	2011

Наставни предмет	Developing Software Solutions
Ознака предмета: 20.IDSS	
Број ЕСПБ: 7	
Програм(и) у којем се изводи	50E - International master in Business Informatics (1) (MAC), Обавезан предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Зечевић Т. Александра, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	3.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The objective of this course is to develop and broaden students' competences in basic components of information systems development, development concepts in .NET, service oriented solutions in Oracle Jdeveloper as well as in modern software architectures.

2. Исходи образовања (Стечена знања):

Students will be able to explain what are the basic components of information systems development, to build dynamic web sites, applications and services in ASP.NET, as an open-source server-side web application framework, to use programming language model organized around objects rather than "actions" and data rather than logic, to apply modular programming, by making multiple modules first and then linking and combining them to form a complete system, to apply declarative programming style to functional and logical programming languages and to implement service oriented architecture (SOA).

3. Садржај/структура предмета:

•Basic components of information systems development
•Development frameworks' concepts (in ASP.NET)
•Object oriented programming, modularity
•Declarative programming
•Service oriented solutions (in Oracle JDeveloper)

4. Методе извођења наставе:

lectures and class discussions, computer labs, team projects and presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Колоквијум	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	lectures and class discussions, computer labs, team projects and presentations	PHP & MySql web development, 5th edition	Pearson education	2017
2	Matt Stauffer	Laravel: Up & running: a framework for building modern PHP apps	O'Reilly Media Inc.	2019

Наставни предмет	Topics in Finance
Ознака предмета: 20.ITIF	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (МАС), Изборни предмет 50F - International master in Business Informatics (2) (МАС), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Божовић Ч. Милош, Редовни професор Јанковић М. Ирена, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The course develops student competencies in formulating and solving economic models pertaining to various important problems in business and finance.

2. Исходи образовања (Стечена знања):

By the end of the course participants will become familiar with methods from various disciplines, including game theory, information economics, macroeconomic analysis and industrial organization, and learn how to apply these methods to perform applied research in finance.

3. Садржај/структура предмета:

Theory lessons
Part I: non-cooperative games, strategy and the concept of dominance, Nash equilibrium under complete and incomplete information, dynamic games, perfect Bayesian equilibrium, bargaining and auctions, adverse selection, signaling and screening.
Part II: Models of rational expectations in a competitive market, quality signaling, aggregation of information, strategic decision makers and market regulation of insider trading, sequential trading models.
Part III: application of macroeconomic analysis and industrial organization to finance on examples of financial bubbles, market failure, evolution of innovative products, evolution of firms and markets, initial public offerings, a model of smuggling, Stiglitz-Sah model, a model of optimal exit from the firm, marginal and average Tobin's Q.
Practice lessons: practice classes, other forms of teaching, study research work
Practice classes with exercises and examples

4. Методе извођења наставе:

Lectures with examples. Participants are required to work on research assignments that apply the concepts studied in class.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	30.00	Писмени испит	Да	70.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Various authors	selected research papers		2019

Наставни предмет	Welfare Economics
Ознака предмета: 20.IWEE	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50C - International master in Applied Economics (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Економска теорија и анализа
Наставници:	Жарковић-Ракић Н. Јелена, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course explores issues in normative public economics and provides links with recent advances in social choice theory. The main objective of the course is to discuss the use of taxes and public expenditures for promoting socially efficient resource allocation and a desirable income distribution.

2. Исходи образовања (Стечена знања):

Upon completion of this course student should be able to explain the economic contents and trade-offs captured by the models identify and analyse policy problems in public economics, assess arguments appearing in the policy debate.

3. Садржај/структура предмета:

• Political theory: Social justice and the state
• Economic theory: State intervention for efficiency and equity reasons
• Concepts and measurements: Welfare, poverty and inequality
• Contributory and non-contributory cash benefits.
• Health and Education
• Tax incidence analysis
•Taxing capital across borders

4. Методе извођења наставе:

Lectures, tutorials, and student's assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност на презентацији	Да	10.00	Усмени испит	Да	60.00
Активност у току предавања	Да	10.00			
Колоквијум	Да	20.00			

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Nicholas Barr	Economics of the Welfare state	Cowell Frank	2014
2	Auerbach, A., Chetty, R., Feldstein, M. and E. Saez	Handbook of Public Economics	North-Holland	2014
3	Haughton, J. and S. Khandker	Handbook on Poverty and Inequality	The World Bank	2009
4	Cowell, F.	Measuring Inequality	Oxford University Press	2011

Наставни предмет	Stochastic Calculus for Finance
Ознака предмета: 20.ISCF	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Рајић М. Весна, Редовни професор Станојевић С. Јелена, Ванредни професор Копривица Р. Марија, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The aim of this course is to give an introduction to continuous-time models and their applications to derivatives pricing. It starts with the risk-neutral pricing technique. Next, it reviews the Fundamental Theorems of Asset Pricing and illustrates their applications to pricing. Partial differential equations and expected values are used as two alternative ways of pricing of derivatives and other contingent claims. The equivalence between these two methods is established by the Feynman-Kac Theorem. These mathematical tools are then applied to pricing of path-dependent derivatives, such as exotic options, and derivatives that can be exercised prior to maturity date. This is followed by a description of the change of numeraire technique, and an overview of term structure models and their applications to pricing of interest-rate derivatives. The course concludes with an introduction to jump processes and their applications to option pricing.

2. Исходи образовања (Стечена знања):

At the end of the course, students will be able to apply advanced methods of stochastic calculus to various asset pricing problems.

3. Садржај/структура предмета:

•Introduction
•Mathematical background (probability spaces, sigma algebras, …)
•Stochastic calculus (Ito's lemma, Ito integral, applications)
•Risk-neutral pricing
•American-style derivatives
•Interest-rate models in continuous time
•Jump-diffusion processes

4. Методе извођења наставе:

Lectures with practical examples and computer exercises. Participants are required to complete a practical project using real data from the financial markets.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Студије случаја	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Shreve, S. E.	Stochastic Calculus for Finance II: Continuous-Time Models (2nd ed.)	Springer Finance	2008
2	Björk, T.	Arbitrage Theory in Continuous Time (3rd ed.)	Oxford Finance	2009

Наставни предмет	Tax Accounting
Ознака предмета: 20.ITAC	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Обавезан предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Рачуноводство и пословне финансије
Наставници:	Вучковић Милутиновић Д. Савка, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Course objective is to provide students with knowledge and skills in tax accounting as applicable to companies, so they become competent to account for tax implications of broad spectrum of business transactions as well as to report on them in financial statements and to analyze them in the process of decision - making. Course is also aimed at developing profound understanding of links between accounting and taxation necessary for the acting as tax professionals.

2. Исходи образовања (Стечена знања):

After completion of the course, students should be able to: explain differences between financial and tax accounting principles,grasp the relevance of accounting for the purposes of taxation, evaluate models of income tax accounting, explain and compute deferred taxes in financial statements, calculate and report on effective income tax rate of companies, analyze income tax disclosures, report on VAT liability and other tax liabilities.

3. Садржај/структура предмета:

The course covers the following topics:
•Financial reporting and tax positions in financial statements;
•Tax versus financial accounting – principles and practices;
•Reconciliation of accounting income to taxable income;
•Flow-through model versus deferred taxes model of financial reporting on income tax;
•Permanent book/tax differences and effective tax rate;
•Temporary book/tax differences and deferred income taxes;
•Accounting for net operating loss and tax incentives;
•Accounting for uncertain tax positions;
•Income tax disclosures and financial analysis;
•VAT accounting and accounting for other taxes.

4. Методе извођења наставе:

lectures, analysis of articles, students’ presentations

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Не	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Jones S., Rhoades-Catanach S. and S. Callaghan	Principles of Taxation for Business and Investment Planning	McGraw Hill Education	2018
2	Comiskey E. and Mulford C.	Guide to Financial Reporting and Analysis	Wiley and Sons	2000
3	Freedman J	Financial and Tax Accounting: Transparency and 'Truth'	Springer	2008

Наставни предмет	Principles of Tax Law and Tax Procedure
Ознака предмета: 20.IPTL	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (MAC), Изборни предмет 50G - International master in Taxation (1) (MAC), Обавезан предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	Поповић М. Дејан, Редовни професор Костић В. Светислав, Ванредни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

This course is dealing with the fundamental constitutional principles of tax law, essential taxconcepts (right to taxation, taxable base and tax rate, the relationship between tax and accountingprofits, etc.), as well as the notions such as acceptable tax planning, aggressive tax planning, tax avoidance and tax evasion. Apart from that, the course provides students with knowledge necessary to understand the functioning of the tax procedure, both its administrative and judicial segment, as well as the protection of taxpayer's right in the course of tax procedure.

2. Исходи образовања (Стечена знања):

Students will gain knowledge on the crucial constitutional principles whichset the framework and basis of modern tax systems, as well as knowledge and skills enabling them to understand and apply in practice the complex regulations in the field of tax law procedure.

3. Садржај/структура предмета:

1. Basic principles of tax law: a) Principle of equality, b) Equitable taxation, c) Principle of legality of taxes, d) Principle of constitutional limitation of the right to tax (Protection of human dignity, Protection of taxpayer's private sphere, Protection of the right to freely choose occupation and profession and perform business, Protection of the right to peaceful enjoyment of property), d) Principle of public trust in tax administration, e) Principle of proportionality between the goals to be attained and the means used by the legislator, e) Principle of confidentiality of tax information.
2. Functioning of the tax procedure: a) Administrative procedure: Principles of general administrative procedure relevant for tax procedure, Principles of tax procedure, Tax administrative acts, Legal remedies; b) Judicial procedure; c) Protection of taxpayer's rights in the tax procedure.

4. Методе извођења наставе:

Lectures, case studies, students' presentations followed by discussions.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Richard K. Gordon	Law of Tax Administration and Procedure	Tax Law Design and Drafting (ed. Victor Thuronyi), Vol. 1, International Monetary Fund	1996
2	Frans Vanistendael	Legal Framework for Taxation	Tax Law Design and Drafting (ed. Victor Thuronyi), Vol. 1, International Monetary Fund	1996

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
3	Stjepan Gadžo	Tax Procedure Law in Transition	Law and Transition, (ed. Bojan Milisavljević, Tatjana Jevremović Petrović, MilošŽivković), University of Belgrade, Faculty of Law, Beograd	2017
4	Roberto Cordeiro Guerra, Stefano Dorigo	Taxpayer’s Rights as Human Rights during Tax Procedures	Human Rights and Taxation in Europe and the World (eds. Georg Kofler, Miguel PoiaresMaduro, Pasquale Pistone), IBFD, Amsterdam	2011
5	Maria Teresa Soler Roch	Tax Administration versus Taxpayer – A New Deal?	World Tax Journal	2012
6	Ian Hayes	A Model Taxpayer’s Charter – Why	EuropeanTaxation	2013

Наставни предмет	Microeconometrics
Ознака предмета: 20.IMIE	
Број ЕСПБ: 6	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (МАС), Изборни предмет 50C - International master in Applied Economics (МАС), Изборни предмет 50F - International master in Business Informatics (2) (МАС), Изборни предмет
УНО предмета	Статистика и математика
Наставници:	Нојковић Ч. Александра, Редовни професор Драгутиновић-Митровић С. Радмила, Редовни професор

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
2.00	2.00	0.00	2.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

The main aim of this course is to develop a knowledge on the econometric methods that are useful to analyze individual level data (cross-sectional and panel microdata). The qualitative nature of most of the information, the representativity of the samples used and the censoring issues associated to the dependent variables are, among others, some of the aspects that distinguish these techniques from an econometric perspective.During the course applications of the different methods are discussed, mainly in the fields of labor economics, health economics, and the economics of education.

2. Исходи образовања (Стечена знања):

Students in this course will obtain background in both the theory and methods of estimation for discrete choice modeling. Students will be trained to analyse with problems of the professional literature and to apply the empirical methods in practice at the level of the contemporary research in the field. Emphasis in the course is on applications of methods.

3. Садржај/структура предмета:

•Motivation of microeconometrics; Review of basic concepts in statistics; Maximum likelihood estimation
•Panel data models (static and dynamic)
•Binary choice, nonlinear effects and endogeneity
•Ordered and multinomial choice models (multinomial logit model)
•Count data models
•Censoring and truncation
•Duration Models

4. Методе извођења наставе:

Lectures, tutorials and students’ assignments.

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена
Активност у току предавања	Да	40.00	Писмени испит	Да	60.00

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година
1	Greene, W.H.	Econometric Analysis, 8th ed.	Pearson	2018
2	Wooldridge, J.	Econometric Analysis of Cross Section and Panel Data	MIT Press	2010
3	Cameron, A. C. and P. K. Trivedi	Microeconometrics: Methods and Applications	Cambridge University Press	2005

Наставни предмет		Research seminar (Spring)
Ознака предмета:	20.IRSS	
Број ЕСПБ:	2	
Програм(и) у којем се изводи		509 - International master in Quantitative Finance (MAC), Изборни предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета		Економска политика и развој
Наставници:		

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
0.00	1.00	0.00	1.00	0.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Не постоји циљ предмета

2. Исходи образовања (Стечена знања):

Не постоји исход образовања

3. Садржај/структура предмета:

Не постоји садржај предмета

4. Методе извођења наставе:

Не постоји метод изводења наставе

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година

Стручна пракса	Internship
Ознака предмета: 20.IINS	
Број ЕСПБ: 3	
Програм(и) у којем се изводи	509 - International master in Quantitative Finance (MAC), Обавезан предмет 50C - International master in Applied Economics (MAC), Обавезан предмет 50E - International master in Business Informatics (1) (MAC), Обавезан предмет 50F - International master in Business Informatics (2) (MAC), Обавезан предмет 50G - International master in Taxation (1) (MAC), Обавезан предмет 50H - International master in Taxation (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
0.00	0.00	0.00	0.00	6.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

Не постоји циљ предмета

2. Исходи образовања (Стечена знања):

Не постоји исход образовања

3. Садржај/структура предмета:

Не постоји садржај предмета

4. Методе извођења наставе:

Не постоји метод изводења наставе

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година

Предмет завршног рада	Master Thesis (23) (subject)
Ознака предмета: 20.IM3S	
Број ЕСПБ: 18	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
0.00	0.00	0.00	14.00	0.00

Предмети предуслови Нема

Услови:

1. Образовни циљ:

Не постоји циљ предмета

2. Исходи образовања (Стечена знања):

Не постоји исход образовања

3. Садржај/структура предмета:

Не постоји садржај предмета

4. Методе извођења наставе:

Не постоји метод изводења наставе

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година

Завршни рад	Master Thesis (23) (development and defense)
Ознака предмета: 20.IMT3	
Број ЕСПБ: 5	
Програм(и) у којем се изводи	50F - International master in Business Informatics (2) (MAC), Обавезан предмет
УНО предмета	Економска политика и развој
Наставници:	

Број часова активне наставе (недељно)

Предавања	Аудиторне вежбе	Други облици наставе	СИР/СТИР/ИР/ПИР/НИР	Остали часови
0.00	0.00	0.00	0.00	1.00

Предмети предуслови: Нема

Услови:

1. Образовни циљ:

Не постоји циљ предмета

2. Исходи образовања (Стечена знања):

Не постоји исход образовања

3. Садржај/структура предмета:

Не постоји садржај предмета

4. Методе извођења наставе:

Не постоји метод изводења наставе

Оцене знања (максимални број поена 100)

Предиспитне обавезе	Обавезна	Поена	Завршни испит	Обавезн	Поена

Литература

Р.бр.	Аутор-и	Наслов	Издавач	Година