
DOCTORAL PROGRAM IN ECONOMICS AND BUSINESS ECONOMICS

1. General information

Name of programme	Doctoral program in economics and business economics
Proponent of the programme	Faculty of Economics & Business – Zagreb
Executor(s) of the programme	Faculty of Economics & Business – Zagreb
Scientific or artistic area	Area of social sciences
Scientific or artistic field	Economy
Number of mandatory subjects/modules	8
Number of elective subjects/modules within the studies	55 (students are obliged to pass 3 elective subjects)

Summary of the doctoral studies

Description of the internal organisation of the doctoral studies programme

The Doctoral program in economics and business economics is a 3-year study programme (6 semesters). The syllabus consists of lectures, seminars and workshops in the first three semesters during which registration of the doctoral thesis should also be done, while the following three semesters are envisaged for drafting the doctoral thesis.

First semester

The objective is to acquaint attendees with basic knowledge in mathematics and econometrics which are required to master the study and future independent scientific-research work. Classes are conducted through two mandatory modules, **Mathematics for economic analyses** and **Introduction to econometrics**, of which each accounts for 5 ECTS points and are conducted through 45 hours of active classes which include 25 hours of lectures and 20 hours of practical exercises, and 105 hours of independent student work.

Second and third semester

In the second semester, classes are conducted through basic modules, mandatory for all attendees of Doctoral studies, while in the third semester classes are held through modules, that is, specialisation the attendee has selected. Thematic modules have the purpose of securing a specialisation which the student selects according to their research guideline. The emphasis is primarily on theoretical education, understanding theoretical approaches and the latest research results in a specific area of the Studies.

In the *second semester*, modules are conducted which comprise the basic methodology of research: **Quantitative methods, Methodology of research and qualitative methods, Micro-economic analysis, Philosophy of science and research ethics**. Each of the 4 mandatory modules incorporate 45 hours of active classes which include 25 hours of lectures and 20 hours of research seminars and 105 hours of independent student work. Module amount is 5 ECTS points.

In the *third semester of studies*, attendees are divided into study orientation Economics and Business economics. In both the study orientations, classes are conducted through 5 modules of which two are mandatory, while three modules are elective. The mandatory modules of the Study of economics are **Macro-economic analysis** and **Models of economic policy**. The mandatory module of the programme of Business economics are **Theory of business management** and **Selected topics in business management**. All the aforementioned modules in the third semester are conducted through 45 hours of active classes, which are divided into 25 hours of lectures and 20 hours of research seminars.

All elective modules have a value of 5 ECTS points and are conducted through 30 hours of active classes which include 15 hours of lectures and 15 hours of research seminars, and 120 hours of independent student work.

Table: Overview of mandatory and elective courses of the post-graduate doctoral studies programme at the Faculty of Economics & Business - Zagreb (Economics and Business Economics)

1st semester	Mathematics for Economic Analyses	5 ECTS	45h +135h IWS
	Introduction to Econometrics	5 ECTS	45h +135h IWS
2nd semester	Quantitative Methods	5 ECTS	45h +135h IWS
	Methodology of Research and Qualitative Methods	5 ECTS	45h +135h IWS
	Microeconomic Analysis	5 ECTS	45h +135h IWS
	Philosophy of Science and Research Ethics	5 ECTS	45h +135h IWS
3rd semester	Major: ECONOMICS		
	<i>Compulsory courses:</i>		
	Macroeconomic Analysis	5 ECTS	45h +135h IWS
	Models of Economic Policy	5 ECTS	45h +135h IWS
	3 elective courses (depends on the doctoral thesis)	3 X 5 ECTS	3 X 45h +135h IWS
	Major: BUSINESS STUDIES		
	<i>Compulsory courses:</i>		
	Theory of Business Administration	5 ECTS	45h +135h IWS
	Selected Topics in Business Administration	5 ECTS	45h +135h IWS
	3 elective courses (depends on the doctoral thesis)	3 X 5 ECTS	3 X 45h +135h IWS
	4th-6th semester	Seminar on research methods	5 ECTS
TOTAL			60 ECTS

Remark: IWS = independent work of a student

The following table lists the mandatory activities of candidates in acquiring a doctorate. Aside from the minimum obligations which a candidate must comply with the purpose of drafting and defending a thesis, candidates may also be involved in a larger number of similar activities, as well as other scientific-educational and research activities within the Faculty.

Table: Overview of mandatory activities of the post-graduate doctoral studies programme at the Faculty of Economics & Business - Zagreb (Economics and Business Economics)

Mandatory activity	ECTS
• passing all envisaged exams	55
• participation in the first research workshop	10
• participation in the second research workshop	10
• attending at least one seminar of research methods which are held at one of the universities included in the EDAMBA, CESEENET or some other world university	10
• registration of a topic for the doctoral thesis and public defence of the topic	25
• publication of an article in an internationally recognised journal	10
• participation in an international conference with written report published in the collected works of the conference	10
• drafting and defence of doctoral thesis	50
TOTAL ECTS:	180

Description of the manner of training doctoral candidates to acquire scientific and artistic understanding, knowledge, experience and skills which will enable creative and research based resolution of complex social and economic problems.

Doctoral candidates acquire new knowledge and understanding at lectures, seminars, practical exercises and round tables. They must attend a seminar about research methods where they will acquire the knowledge necessary for the analysis of research results. Lectures by guest lecturers from abroad bring new understanding about the trends in the development of science and practices, and facilitate contact with renowned scientists and colleagues from abroad. All this contributes to the fact that upon completion of doctoral studies, they will have acquired the knowledge and skills required for independent scientific-research work in the area of economics and business economics, as well as for research based resolving of complex social and economic problems.

Conditions for advancing to a higher year of study

First year of study

As part of the first year of study and along with passing exams, the following obligations are envisaged for attendees:

- Participation in the first and second research workshop. At the first research doctoral candidates must define the area of their doctoral thesis, the selected topic of their doctoral thesis, research problem, methods they will use while researching and list of literature which refers to the research area. At the second research workshop, doctoral candidates must present an overview of the doctoral thesis, the objectives of the doctoral thesis and hypotheses, and methods with which he/she shall prove the individual hypotheses.
- Attendance at seminars about research methods at the University of Zagreb, at one of the universities included in EDAMBA (European Doctoral Programmes Association in Management and Business Administration), CESENET (Association of doctoral studies in the faculties of Central and Eastern Europe) or attendance at a seminar at some other renowned university whereby attendees acquire 10 ECTS points.

During the first year of doctoral studies, the doctoral candidate can propose a mentor and topic of his/her doctoral thesis. The conditions for passing to the second year are passing at least 4 examinations from the first year and participation in at least the first research workshop.

Second year of study

As part of the second year, along with passing exams, attendees have the obligation of drafting an overview and registering a topic for the doctoral thesis in the third semester. The registered topic is defended publicly, before a committee for assessment of the topic and proposal of mentor, and before other doctoral candidates and other interested parties.

The conditions for passing to the third year are passed all exams from the first year, at least passed three exams from the second year and registered doctoral thesis topic.

Third year of study

The doctoral studies programme envisages that in the third year of studies, the doctoral candidate continues to intensively work on drafting the doctoral thesis, so that by the end of the third year of study and defence of the doctoral thesis he/she has acquired 50 ECTS points. Before submitting the doctoral thesis, the doctoral candidate must carryout the following obligations:

- Publication of an article in an internationally renowned journal, which shall emerge as the result of scientific-research work of the doctoral candidate which amounts to 10 ECTS points.
- Participation in an international conference, where his/her work shall be published in the conference book of proceedings. The participation in the international conference and publication of the paper of the candidate amount to 10 ECTS points.

Conditions for acceptance of a doctoral thesis topic

The conditions for registering a topic are attendance at both research workshops. The registration of doctoral thesis topic is discussed and approved by the Board of Doctoral Study. Approved doctoral thesis topic must be also accepted by the Faculty Council. After the acceptance of doctoral thesis topic, the doctoral candidate has to defend the structure, hypotheses and research methodology in front of the Committee, which write a final Evaluation of doctoral thesis proposal, if defence was succesful. Possitive Evaluation of doctoral thesis proposal must be also accepted by the Board of Doctoral Study and the Faculty Council.

Conditions for completion of studies

The conditions for completion of studies are the passing of all exams and carrying out of all other obligations and successful defence of the doctoral thesis.

List of courses

Professor	Courses
Associate Professor Zrinka Lukač, Ph.D.	Mathematics for economic analyses
Professor Nataša Erjavec, Ph.D.	Fundamentals of econometrics
Professor Ksenija Dumičić, Ph.D.	Quantitative methods
Assistant Professor Krunoslav Puljić, Ph.D. Professor Anamarija Jazbec, Ph. D	
Professor Vladimir Čavrak, Ph.D.	Methodology of research and qualitative methods
Professor Jasminka Šohinger, Ph.D	Micro-economic analysis
Associate Professor Davor Lauc, Ph.D.	Philosophy of science and research ethics
Professor Zoran Kovačević, Ph.D.	Macro-economic analysis
Professor Boris Cota, Ph.D.	Models of economic policy
Professor Danimir Gulin, Ph.D.	Theory of business management
Professor Dubravka Sinčić Ćorić, Ph.D.	
Professor Lovorka Galetić, Ph.D.	
Professor Darko Tipurić, Ph.D.	
Professor Drago Jakovčević, Ph.D.	
Professor Nidžara Osmanagić Bedenik, Ph.D.	
Professor Lajoš Žager, Ph.D.	
Professor Marija Tomašević Lišanin, Ph.D.	Selected topics of business management
Professor Lovorka Galetić, Ph.D.	
Professor Darko Tipurić, Ph.D.	
Professor Alen Stojanović, Ph.D.	
Professor Silvije Orsag, Ph.D.	
Professor Danimir Gulin, Ph.D.	
Professor Vesna Vašiček, Ph.D.	<i>Accounting of financial instruments</i>
Professor Lajoš Žager, Ph.D.	<i>Financial reporting by non-profit organisation</i>
Professor Lajoš Žager, Ph.D.	<i>Auditing and analysis of financial reports</i>
Professor Katarina Žager, Ph.D.	<i>Accounting policy and business management</i>
Associate Professor Ivana Dražić Lutlisky, Ph.D.	<i>Accounting of costs in business management</i>
Associate Professor Hrvoje Perčević, Ph.D.	

Professor Ivan Lovrinović, Ph.D.	<i>Contemporary financial intermediation</i>
Professor Ivan Lovrinović, Ph.D.	<i>Monetary policy and analysis</i>
Professor Marijana Ivanov, Ph.D.	
Professor Drago Jakovčević, Ph.D.	<i>Management of portfolio risks for financial institutions</i>
Professor Alen Stojanović, Ph.D.	<i>European financial markets</i>
Associate Professor Anto Bajo, Ph.D.	<i>Management of finances in the public sector</i>
Professor Sanda Renko, Ph.D.	<i>Logistics</i>
Assistant Professor Dario Dunković, Ph.D.	<i>Strategic trade management</i>
Professor Tonći Lazibat, Ph.D.	<i>Goods and services market</i>
Professor Nikola Knego, Ph.D.	<i>Trade policy under globalisation conditions</i>
Associate Professor Blaženka Knežević, Ph.D.	
Professor Tonći Lazibat, Ph.D.	<i>Quality management</i>
Professor Vesna Bosilj Vukšić, Ph.D.	<i>Systems for business excellence</i>
Professor Mirjana Pejić-Bach, Ph.D.	<i>Innovative business models</i>
Professor Mario Spremić, Ph.D.	
Professor Mladen Varga, Ph.D.	<i>Models of managing knowledge for business decision making</i>
Professor Velimir Srića, Ph.D.	<i>Corporate management of changes and informatics</i>
Professor Mario Spremić, Ph.D.	
Professor Mato Bartoluci, Ph.D.	<i>Strategic planning and tourism development</i>
Professor Darko Prebežac, Ph.D.	<i>Strategic marketing in tourism</i>
Professor Nevenka Čavlek, Ph.D.	<i>Management of international tourist flows</i>
Assistant Professor Kristina Bučar, Ph.D.	<i>Analysis of the prerequisites for tourist development</i>
Associate Professor Sunčana Piri Rajh, Ph.D.	<i>Theories of consumer behaviour</i>
Professor Jurica Pavičić, Ph.D.	<i>Strategic marketing</i>
Professor Ana Tkalac Verčić, Ph.D.	<i>Market research</i>
Professor Đurđana Ozretić Došen, Ph.D.	<i>Strategic international marketing</i>
Professor Ana Tkalac Verčić, Ph.D.	<i>Theory and practice of integrated marketing communication</i>
Professor Marija Tomašević Lišanin, Ph.D.	<i>Theory and practice of sales and negotiations</i>
Professor Lovorka Galetić, Ph.D.	<i>Organisational design and development</i>

Professor Darko Tipurić, Ph.D.	<i>Decision making theory</i>
Professor Darko Tipurić, Ph.D.	<i>Strategy and corporate management</i>
Associate Professor Mislav Ante Omazić, Ph.D.	<i>Business ethics</i>
Professor Lovorka Galetić, Ph.D.	<i>Strategy of compensation management</i>
Professor Nina Pološki Vokić, Ph.D.	<i>Human resource management</i>
Assistant Professor Martina Sopta, Ph.D.	<i>Economics of internal capital markets</i>
Professor Silvije Orsag, Ph.D.	<i>Financial theory</i>
Professor Silvije Orsag, Ph.D.	<i>Valuation of investments</i>
Professor Silvije Orsag, Ph.D.	<i>Paradigms and methodology of planning and analysis</i>
Professor Đurđica Fućkan, Ph.D.	
Professor Nidžara Osmanagić Bedenik, Ph.D.	<i>Business crisis management</i>
Professor Hana Horak, Ph.D.	<i>European law</i>
Professor Zvonimir Slakoper, Ph.D.	<i>Law and institutions of international trade</i>
Professor Boris Vujčić, Ph.D.	<i>Labour market economics</i>
Professor Anđelko Akrap, Ph.D.	<i>Population and economic development</i>
Professor Jakov Gelo, Ph.D.	
Professor Vinko Barić, Ph.D.	<i>Education and development</i>
Professor Vladimir Čavrak, Ph.D.	<i>Regional policy - integration challenges</i>
Professor Ivo Družić, Ph.D.	<i>Theory and policy of the development of the real sector of the national economy</i>
Professor Radmila Jovančević, Ph.D.	<i>Agrarian policy and the global environment</i>
Professor Radmila Jovančević, Ph.D.	<i>Globalisation and liberalisation of the markets</i>
Professor Jurica Šimurina, Ph.D.	<i>Macroeconomic analysis of stabilisation and convergence</i>
-	<i>Analysis of competitiveness under globalisation conditions</i>
Professor Marko Kolaković, Ph.D.	<i>Entrepreneurial leadership and management</i>
Professor Lorena Škuflić, Ph.D.	<i>Advanced industrial economy</i>
-	<i>Analysis of schools of economic thought</i>
Assistant Professor Tunjo Perić, Ph.D.	<i>Games theory</i>
Professor Ksenija Dumičić, Ph.D.	<i>Statistical sampling methods</i>