# Philosophy & Economics



# The Master of Arts Programme

Module Handbook (In Accompaniment to the Examination Regulations)



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#### 1. Preamble

The Master's Programme in Philosophy and Economics is organised and taught by both the departments of philosophy and economics of the University of Bayreuth (UBT). It is a unique two-year (120 ECTS) English language course of studies offering a rigorous graduate level education in core areas of economics and core areas of philosophy especially relevant to economics.

The programme is targeted at students with an interest in obtaining an advanced analytical and quantitative training as a foundation for pursuing research-based careers in academia, public service, and business. The target group of students are economists and philosophers who are intent on sharpening their abilities in normative reflection, on deepening of their knowledge of subjects they have pursued during their Bachelor's studies (in philosophy & economics, philosophy, economics or a cognate discipline) and on broadening and enhancing their methodological skills in key areas relevant to both disciplines.

This Module Handbook is in accompaniment to the Examination Regulations governing the Programme.

#### 2. General Comments

#### 2.1 Period of Study

The period of study is four semesters full-time. Enrolment into the programme is possible only in the winter semester. It is possible to complete the programme in less than four semesters if all requirements have been met.

#### 2.2 Language

The official programme language is English.

#### 2.3 Structure

The programme consists of three module areas:

- Foundations
- Integration
- Specialization

The simple modular structure of the programme and the use of the ECTS system permits comparability of courses and performance within the European Education Area. The balance of compulsory and elective modules also guarantees that

students obtain solid foundational knowledge of the respective disciplines while at the same time having ample opportunity to specialize.

#### 2.4 Denotation

Each *module area* consists of one or more *modules*, which are general descriptions of curricula content. A *course* is a particular application of a module, i.e. a module can be instantiated by one or more courses covering the module curriculum.

#### 2.5 Content and Scheduling of Courses

The exact content of courses can be obtained from the webpages of the responsible departmental unit or from the UBT e-learning platform. The exact scheduling of courses will be advertised each semester in the UBT Course Directory (*Vorlesungsverzeichnis*).

#### 2.6 Class Sizes

Courses such as exercises and advanced seminars must not exceed 60 or 15 students respectively. MA level lecture courses should be interactive and must not exceed 100 students.

#### 2.7 Didactical Forms

The exact didactical form will depend on the courses. In general there are four such forms:

- Lectures [L]. The purpose of this form is to provide a systematic presentation of the main topics within a special discipline. The lectures are to transmit methodological knowledge as well as general and specific substantial knowledge. Lecture courses are to be organized in an interactive way. Supplementary to examinations students should have the opportunity to write essays and make short class presentations.
- Exercises [E]. The purpose of this form is to provide the opportunity to examine specific themes in depth. Exercise sessions should especially emphasize the application and practical relevance of theory.
- Advanced Seminars [S]. The purpose of this form is to provide an opportunity for the student to develop a specialization in a specific area. A seminar is to be assessed by an extended piece of written work.
- Self-study. In addition to attending lectures, exercises, and seminars, self-study provides the opportunity for the student to develop their skills of independent thought, research, and analysis. Self-study includes class preparation and revision as well as independent literature searches and reading under the guidance of the course instructor.

#### 2.8 Prerequisites for Enrolment

The prerequisites for enrolment into the MA Philosophy & Economics are governed by the general statutes of the UBT and the Examination Regulations governing the programme.

#### 2.9 Workload

1 ECTS is calculated to be approximately 30 hours of work. The workload allocation is estimated to be 15 weekly contact hours (WCH). Detailed breakdowns workloads can be found in the module tables.

### 3. Degree Requirements

In order successfully to obtain the UBT Master Degree in Philosophy & Economics, you need to complete 120 ECTS of courses. The programme has a simple tripartite modular structure.

#### 3.1 Module Area: Foundations (48 ECTS)

- 3 compulsory modules in philosophy: ethics, political philosophy, and philosophy of the social sciences (each 8 ECTS). These courses are assessed by unseen written examinations and exercises or seminar papers.
- 3 compulsory modules in economics: microeconomics, macroeconomics, and empirical economics research (each 8 ECTS). These courses are assessed by unseen written examinations and exercises.

The six courses provide the student with the advanced training in normative and methodological reflection and modelling and quantitative skills required to follow advanced specialist courses in either discipline. The conception of interdisciplinarity being applied here is the ability to reason, reflect, and converse easily in either discipline and comprehend the application of specialist methods and theoretical frameworks from both philosophy and economics for studying a set of problems that are of interest to both philosophers and economists alike.

#### 3.2 Module Area: Integration (12 ECTS)

- 1 compulsory module in philosophy & economics (8 ECTS), assessed by seminar presentations and seminar papers.
- 2 (from 4) departmental research seminar series (4 ECTS, ungraded). Credits are awarded on the basis of regular participation.

The module in philosophy & economics is a specially designed syllabus in which the student will have the chance to actively apply his/her powers of philosophical analysis to a series of economic problems from micro- and macro-economics and empirical economic research that are especially relevant to issue of public policy.

The departmental research seminars provide the opportunity for the student to come into contact with current research and become socialized into the world of research. They also form the opportunity for the student to start searching for a Master's thesis research project.

#### 3.3 Module Area: Specialization (60 ECTS)

- 5 modules of 6 ECTS from *any* MA level course offered by the departments of Philosophy and Economics or any MA level course offered by cognate departments (e.g. Mathematics, Business Administration), subject to approval by the Programme Coordinators. Students can take a **maximum** of 2 methods courses from cognate departments (e.g. maths).
- 1 MA thesis of 30 ECTS. Preparation for the thesis includes a Thesis Workshop.

# 4. Programme Structure

- Module Areas
- Semester Schedule
- Overview of Components (CHW, ECTS, Assessment)

Philosophy & Economics Master's Degree Programme			CP
<b>Philosophy Foundations (3 courses of 8 ECTS)</b> Ethics Political Philosophy Philosophy of the Social Sciences	Economics Foundations (3 courses of 8 ECTS) Advanced Microeconomics Advanced Macroeconomics Advanced Empirical Economics Research	<b>3 courses of 8 ECTS)</b> s mics Research	48
Philosophy and Economics Seminar (8 ECTS) P&E Research Forum/Economics Research Seminar (4 ECTS) *1			12
Specialization – 5 courses of 6 ECTS from: *2 Philosophy Electives Modules Moral and Political Philosophy Philosophy of Science Business Ethics Business Ethics Public Finance Health Economics	<b>Economics Electives Modules</b> Microeconomics Institutional Economics Empirical Economic Research Money and International Trade Public Finance Health Economics	Methods Modules (max. 2) Mathematics Logic Survey Techniques etc.	OE
Thesis (including Workshop) *3			30
*1 The Research Forum and the Economics Research Seminar are the respective departmental seminars. Students have to attend at least two series over the four semesters. *2 Electives can be chosen from other relevant disciplines (e.g. Business Administration) on approval of the programme coordinators. *3 The Thesis Workshop is a weekend event to take place between the end of the 3rd and the beginning of the 4th semester.	pective departmental seminar vdministration) on approval of t nd of the 3rd and the beginnin	s. Students have to attend at the programme coordinators. g of the 4th semester.	120

ECTS		0/2	30	30/32	120
WCH		0/2	5	2-4	42-47
Semester 4		Research Seminar	Thesis Thesis Workshop		Total WCH Total ECTS
ECTS		8 0/2	18	26/28	
WCH		2 0/2	6-9	8-13	
Semester 3		Phil & Econ Sem Research Seminar	3 Electives		
ECTS	∞ ∞	0/2	12	28/30	
WCH	4 4	0/2	4-6	12-16	
Semester 2	Microeconomics Political Phil	Research Seminar	2 Electives		
ECTS	$\infty \infty \infty \infty$	0/2		32/34	
WCH	4444	0/2		16-18	
Semester 1	Macroeconomics Empirical Econ Ethics Phil Soc Sci	Research Seminar			

#### Summary Table

Module Areas   Modules	CHW	Туре	ECTS	Assessment
Foundations				
Ethics	2+2	L+S	8	WE, OE, E, SP
Political Philosophy	2+2	L+S	8	WE, OE, E, SP
Philosophy of the Social Sciences	2+2	L+S	8	WE, OE, E, SP
Advanced Microeconomics I	2+2	L+E	8	WE, OE, P
Advanced Macroeconomics I	2+2	L+E	8	WE, OE
Advanced Empirical Economic Research I	2+2	L+E	8	OE, P, SP
	24		48	
Integration				
Philosophy & Economics Seminar	2	S	8	P, SP
Research Seminar	4	S	4	
	6		12	
Specialization				
5 Electives	10-15	L, E, S	30	WE, OE, E, SP
Master Thesis	2		30	Thesis
	10-15		60	
	42-47		120	

Key: L = lecture; S = seminar; E = exercise session; WE = written examination; OE = oral examination; E = essay; SP = Seminar Papers

## 5. Module Area: Foundations

This module area consists of 6 compulsory modules:

#### Philosophy

- Ethics
- Political Philosophy
- Philosophy of the Social Sciences

#### Economics

- Advanced Microeconomics I
- Advanced Macroeconomics I
- Advanced Empirical Economic Research I

Module Area	Foundations in Philosophy		
Module Name	Ethics (MA-P1)		
Responsible Unit	Chair of Political Philosophy (Prof. Dr. Matthew Braham)		
Language	English.		
Didactical Form	Lectures and seminars.		
Content The objective of this course is to provide a systematic overview of t jor topics in contemporary ethics. The course is in three parts. The fi will concern metaethics, in which we will examine the nature of e general. This includes topics such as the status of ethical claims (e.g. realism, relativism), what grounds ethical claims (e.g. naturalism, in ism), and the relationship of ethics to psychology. In the second the course we will examine topics in the two main traditions of non ethics: deontology (e.g. Kant) and consequentialism (e.g. utilitari Here we will examine how each of these traditions deal with prac sues for the 'just society' (e.g. rights, punishment, equality). In the part we will appraise some alternative views and critiques of ethic as feminism, the significance of evolution, and Marxism.		s. The course is in three parts. The first part the we will examine the nature of ethics in h as the status of ethical claims (e.g. moral ds ethical claims (e.g. naturalism, intuition- nics to psychology. In the second part of cs in the two main traditions of normative and consequentialism (e.g. utilitarianism). to of these traditions deal with practical is- ights, punishment, equality). In the third mative views and critiques of ethics, such	
Learning outcomes	<ul> <li>Knowledge of contemporary debates in ethics.</li> <li>Knowledge of and some ability to apply ethical theory to the study of normative problems.</li> <li>The ability to describe the practical implications of theoretical debates in ethics.</li> </ul>		
Requirements	None.		
Assessment	A written examination (50%), active participation in the form of essays (totalling approx. 6000 words).		
Workload	Lectures and seminars60 hrsPreparation and revision120 hrsWritten work60 hrsTotal240 hrs		
ECTS	8		
Frequency	Winter semester (1st year of study).		
Course links	MA-P2 & -P3; MA-E1, -E2 & E-3; MA-I1; relevant electives.		
Remarks			

Module Area	Foundations in Philosophy		
Module Name	Political Philosophy (MA-P2)		
Responsible Unit	Chair of Political Philosophy (Pro	f. Dr. Matthew Braham)	
Language	English.		
Didactical Form	Lectures and seminars.		
<b>Content</b> This course offers a systematic introduction to contemporary politic losophy. The content of the course is divided into three parts. The explores fundamental concepts and values, raising questions at nature of rights, the sources of political obligation, legitimacy and ty of the state, the significance of liberty, and the justification of racy. Secondly, the course focuses on questions about the conter and normative role of distributive justice and introduces key de contemporary political philosophy, concerning libertarianism, luctarianism and the political philosophy of John Rawls. For the fina the course we will discuss two more general topics and raise q about the significance of institutions and political realism in philo inquiry. The discussion of all these issues will originate from p puzzles and real questions in political debate, introduce historical where doing so serves a systematic purpose, and reflect ques method all along the way.		rse is divided into three parts. The first part and values, raising questions about the iolitical obligation, legitimacy and authori- of liberty, and the justification of democ- es on questions about the content, scope ve justice and introduces key debates in shy, concerning libertarianism, luck egali- sophy of John Rawls. For the final part of more general topics and raise questions tions and political realism in philosophical nese issues will originate from particular litical debate, introduce historical writings	
Learning outcomes	<ul> <li>Knowledge of contemporary debates in political philosophy.</li> <li>Knowledge of and some ability to apply political theory to the study of normative problems.</li> <li>The ability to describe the practical implications of theoretical debates in political philosophy.</li> </ul>		
Requirements	None.		
Assessment	A written examination (50%), active participation in the form of essays (totalling approx. 6000 words).		
Workload	Lectures and seminars Preparation and revision Written work Total	60 hrs 120 hrs 60 hrs 240 hrs	
ECTS	8		
Frequency	Summer semester (1st year of study).		
Course links	MA-P1 & -P3; MA-E1, -E2 & E-3; N	A-I1; relevant electives	
Remarks			

Module Area	Foundations in Philosophy		
Module Name	Philosophy of the Social Sciences (MA-P3)		
Responsible unit	W-1 Junior Professor for the Methodology of Economics (n.n.)		
Language	English.		
Didactical Form	Lectures and seminars.		
<b>Content</b> The objective of this course is to provide a systematic of the diproaches to the scientific study of society. The course is in four first part will concern human agency and social phenomer methods of social scientific inquiry; the second part will be a science explanations (functional, intentional, structural); the the look at objectivity and rationality and especially the concepts of logical holism and individualism; and in the fourth part concontroversies will be discussed (e.g. disunity of science, inter approaches).		of society. The course is in four parts. The igency and social phenomena and the iry; the second part will be about social intentional, structural); the third part will and especially the concepts of methodo- n; and in the fourth part contemporary	
Learning outcomes	<ul> <li>Knowledge of central concepts, terms and methods employed in different areas of social scientific research.</li> <li>The ability to identify and critically evaluate the descriptive and norm tive presuppositions of social scientific theories.</li> <li>The ability to integrate philosophical and social scientific theories in a original and cogent fashion.</li> </ul>		
Requirements	None.		
Assessment	A written examination (50%), active participation in the form of essays (totalling approx. 6000 words).		
Workload	Lectures and seminars Preparation and revision Written work Total	60 hrs 120 hrs 60 hrs 240 hrs	
ECTS	8		
Frequency	Winter semester (1st year of study).		
Course links	MA-P1 & -P2; MA-E1, -E2, & -E3; MA-I1; relevant electives.		
Remarks			

Module Area	Foundations in Economics		
Module Name	Advanced Microeconomics I (MA-E1)		
Responsible Unit	Chair of Economics IV (Prof. Dr. Stefan Napel).		
Language	English.		
Didactical Form	Lectures and exercises.		
Content	temporary economic research articles a es. The focus is on individual decision interaction of firms as well as the assur fect competition and their welfare imp rationality and learn how to model eco under risk and uncertainty. They will also	ective of this course is to enable students to comprehend con- ry economic research articles and to identify their critical premis- focus is on individual decision and demand behaviour, strategic on of firms as well as the assumptions underlying models of per- opetition and their welfare implications. Students study axioms of ry and learn how to model economic decision-making problems sk and uncertainty. They will also learn how to model normal and e form games and be able to analyse firm behaviour and different tructures.	
Learning outcomes	<ul> <li>Knowledge of key concepts in modern international macroeconomics.</li> <li>Knowledge of relationship between key macroeconomic variables in an international context.</li> <li>Insights into scope for policy intervention to overcome international economic crises.</li> </ul>		
Requirements	None.		
Assessment	Written examinations (100%).		
Workload	Lectures and seminars Preparation of lectures and exercises Homework Exam preparation Total	60 hrs 60 hrs 60 hrs 60 hrs 240 hrs	
ECTS	8		
Frequency	Summer semester (1st year of study).		
Course links	MA-E2 & -E3; MA-P1, -P2 & -P3; MA-I1; relevant electives.		

Module Area Foundations in Economics			
Module Name	Advanced Macroeconomics I (MA-E2)		
Responsible Unit	Chair of Economics II (Prof. Dr. Hartmut E	gger)	
Language	English.		
Didactical Form	Lectures and exercises.		
Content	The objective of this course is to provide a systematic overview of modern international macroeconomics. The course is theory-based and aims at providing skills of analytical thinking in the context of international macroeconomics. The course offers insights into both real and monetary macroeconomics and emphasizes how real and monetary variables interact in an international equilibrium. The course is organized in four parts. Part I will concern intertemporal trade to and constraints for borrowing and lending from a country's perspective. Part II introduces the concept of purchasing power and the link between changes in the real exchange rate to productivity growth. Part III will examine monetary issues such as the relationship between the nominal interest rate, the price level, and the nominal exchange rate. Part IV combines insights from the monetary and the real economy and sheds light on the role of monetary policy for exchange rates and output.		
Learning outcomes	<ul> <li>Knowledge of key concepts in modern international macroeconomics.</li> <li>Knowledge of relationship between key macroeconomic variables in an international context.</li> <li>Insights into scope for policy intervention to overcome international economic crises</li> </ul>		
Requirements	None.		
Assessment	Positive evaluation of homework exercises (prerequisite for exam participation); Written examination (90%); Active participation (10%).		
Workload	Lectures and seminars Preparation of lectures and exercises Exam preparation Total	60 hrs 130 hrs 50 hrs 240 hrs	
ECTS	8		
Frequency	Winter semester (1st year of study).		
Course links	MA-E1 & -E3; MA-P1, -P2 & -P3; MA-I1; relevant electives.		
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Module Area	Foundations in Economics		
Module Name	Advanced Empirical Economic Research I (MA-E3)		
Responsible Unit	Prof. Dr. Mario Larch.		
Language	English.		
Didactical Form	Lectures and computer-assisted exercises.		
Content	The aim of the module is to introduce students to the basics of different estimation methods for analysing micro- and macro-data. This will provide the basis of empirically-based economic analysis. The student will learn how to undertake empirical studies and develop a sensitivity for context specific evaluations and judgements. Particular attention will be given to practical applications using appropriate software packages.		
Learning outcomes	<ul> <li>Understanding of estimation methods: linear and non-linear least-squares, Maximum Likelihood, Generalized Method of Moments, simulation-supported inference.</li> <li>The ability to apply estimation methods to time-series models, linear and non-linear systems, multivariate models, count-data models.</li> <li>The ability to use specialized software (matrix-oriented software).</li> </ul>		
Requirements	None		
Assessment	Exam (100%)		
Workload	Lectures and seminars Exercises Lecture and exercise preparation Exam preparation Total	30 hrs 30 hrs 120 hrs 60 hrs 240 hrs	
ECTS	8		
Frequency	Winter semester (1st year of study).		
Course links	MA-E1 & -E2; MA-P1, -P2 & -P3; MA-I1; relevant electives.		
Remarks	Students should have an elementary knowledge of statistics.		

# 6. Module Area: Integration

This module area consists of 2 compulsory modules:

- Philosophy & Economics Seminar
- Research Seminar

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Module Area	Integration		
Module Name	Philosophy & Economics Seminar (MA-I1)		
Responsible Unit	Chair of Political Philosophy (Prof. Dr. Matthew Braham) Chair of Philosophy II (Prof. Dr. Rudolf Schüssler) Chair of Economics II (Prof. Dr. Hartmut Egger) Chair of Economics IV (Prof. Dr. Stefan Napel)		
Language	English.		
Didactical Form	Seminars.		
Content This course will cover advanced methodological and normative economic analysis and modelling. Topics will include rationality, under risk and uncertainty, welfare analysis, allocation mechanismative evaluation of economic outcomes, the nature of economic nation.		ing. Topics will include rationality, decisions elfare analysis, allocation mechanisms, nor-	
Learning outcomes	<ul> <li>The ability to identify and critically evaluate the descriptive and normative presuppositions in economic explanations and evaluations.</li> <li>The ability to independently apply normative and methodological analysis in a constructive manner to the use of economics for the development of policy instruments.</li> </ul>		
Requirements	None.		
Assessment	Active participation in the form of a presentation/essay and end-te seminar paper.		
Workload	Lectures and seminars Preparation Written work Total	30 hrs 105 hrs 105 hrs 240 hrs	
ECTS	8		
Frequency	Winter semesters (2nd year of study).		
Course links	All courses, especially the MA thesis (MA-S6).		

Module Area	Integration	
Module Name	Philosophy Research Forum / Economics Research Seminar (MA-I2)	
Course Leader	Departmental organisers.	
Language	English.	
Didactical Form Seminars.		
Content	Presentation of current research in philosophy and economics by guest speakers and members of the departments.	
Learning outcomes	<ul><li>Awareness of current research.</li><li>Socialization into academic research.</li></ul>	
Requirements None.		
Assessment	Regular participation (pass/fail).	
Workload	Seminars 30 hrs	
ECTS	2 + 2 = 4	
Frequency Every semester.		
Course links	All courses, especially the MA thesis (MA-S6).	
Remarks	Students have to attend at least two series over four semesters.	

#### 7. Module Area: Specialization

This module area requires that student choose 5 *elective* modules and complete a Master thesis.

• An *economics elective* can be *any* course available under the 'Specialization' module area of the UBT Master in Economics or any other course recognized by that programme with the permission of the Board of Examiners. A P&E Master student can freely choose *any* course within *any* of the module areas (i.e. there is no restriction to choose all the courses (modules) within a module area (as stipulated in the Master Economics examination regulations).

The economics module areas are described in the Module Handbook for the Master in Economics that accompanies the examination regulations for that degree programme.

- A *philosophy elective* can be *any* course available under the philosophy 'Specialization' module area as offered in this document. These modules cover the breadth of philosophical subject matter relevant to economics:
  - Advanced Topics in the Philosophy of the Social Sciences
  - Advanced Topics in Moral and Political Philosophy
  - Business Ethics

Module Area	Specialization (Overview)	
Module Name	Electives (MA-S1-5)	
Responsible Unit	Departmental organisers .	
Language	English/German.	
Didactical Form	Seminars and exercises.	
Content	Any 5 Master level courses offered by the departments of philosophy, economics or any other course, such as those from the field of business administration, approved by the Programme Coordinators. Philosophy courses are described below, while electives in economics are listed and described in the module handbooks of the master programmes in Economics and <i>Internationale Wirtschaft und Governance</i> . Accordingly, other electives are detailed in the module handbooks of the respective study programmes.	
Learning outcomes	• Specialized knowledge of theory and methods in a particular discipline or sub-discipline (to be determined by the particular course).	
Requirements	In accordance with the particular course regulations.	
Assessment	In accordance with the particular course regulations.	
Workload	In accordance with the particular courses on offer.	
ECTS	5 courses of 6 ECTS.	
Frequency	Second and third semesters of study.	
Course links		
Remarks	Students can take a maximum of 2 methods courses from outside the organizing faculties.	

Module Area	Specialization	
Module Name	Master Thesis (MA-S6).	
Responsible Unit	Departmental instructors.	
Language	English.	
Didactical Form	Independent research, supervision.	
Content	The aim of the MA thesis is for students to develop and exercise their abil- ity to undertake independent and specialized research in a concentrated manner over a sustained period of time. The thesis topic can be in any subject in philosophy or economics or their intersection that can be su- pervised by any P&E teaching staff.	
Learning outcomes	<ul> <li>The ability to determine, chose, and structure concrete problems.</li> <li>Presentation, justification, and application for the choice of a method- ology to study the chosen problem.</li> <li>The ability to formulate original solutions for a concrete problem.</li> <li>The ability to communicate research results in accordance with current international academic standards.</li> </ul>	
Requirements	Successful completion of all foundation and elective courses.	
Assessment	A thesis of between 25,000–30,000 words or its equivalent (100%).	
Workload	Independent research 900 hrs / 6 months.	
ECTS	30 ECTS.	
Frequency	Fourth semester of study.	
Course links		
Remarks	Students have to participate in a 2-day Thesis Workshop that will be held between the end of the third and beginning of the fourth semester of study.	

8. Module Area: Specialization in Philosophy (Supplement)

The 'Specialization in Philosophy' comprises 3 modules of which a student can choose any number of modules as their electives. Given the topic-based nature of the modules, the philosophy department may offer more than one course for each module, thus permitting a student to focus his/her electives entirely in philosophy if they so wish.

- Advanced Topics in Philosophy of Science
- Advanced Topics in Moral and Political Philosophy
- Advanced Topics in Business Ethics

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Module Area	Specialization	
Module Name	Advanced Topics in the Philosophy of the Social Sciences	
Responsible Unit	Chair of Philosophy I (Prof. Dr.	Rainer Hegselmann)
	W-1 Junior Professor for Meth	odology of Economics (n.n)
Language	English.	
Didactical Form	Advanced seminars with active student participation in the form of presentations and essays based on concrete theoretical and applied prob- lems.	
Content	The aim of this module is to provide an advanced training in core areas of the philosophy of science that are of special relevance to all areas of eco- nomics. Course topics will include	
	<ul> <li>Understanding and explanation of social phenomena.</li> <li>Modelling and comparison of theory dynamics.</li> <li>Modelling and simulation of social processes</li> <li>Formal methods.</li> </ul>	
Learning outcomes	<ul> <li>The ability to identify and critically evaluate and communicate the descriptive and normative presuppositions of social scientific theories.</li> <li>An advanced understanding and critical awareness of the nature and function of formal modelling of social, political and economic processes.</li> <li>An ability to apply formal methods to problems in the philosophy of science.</li> </ul>	
Requirements	Completion of MA-P3	
Assessment	Active participation in the form of a presentation/essay and end-term seminar paper.	
Workload	Seminars	30 hrs
	Preparation Written work	90 hrs 60 hrs
	Total	180 hrs
ECTS	6 ECTS.	
Frequency	Second (summer) and third (winter) semesters of study	
Course links		
Remarks		

Module Area Specialization			
Module Name	Advanced Topics in Moral and Political Philosophy I-V		
Responsible Unit	Chair of Political Philosophy (Prof. Dr. Matthew Braham) Chair of Philosophy II (Prof. Dr. Rudolf Schüssler)		
Language	English.		
Didactical Form	Advanced seminars with active student participation in the form o presentations and essays based on concrete theoretical and applied prob- lems.		
Content	The aim of this module is to provide an advanced training in core areas of moral and political philosophy that are of special relevance to economics and the economic evaluation and policy choice. Course topics will in- clude:		
	<ul> <li>Metaethics: moral realism and moral disagreement.</li> <li>Normative ethics: consequentialism and deontology; contractarianism; theories of justice, freedom, and responsibility.</li> <li>Applied ethics: climate and environmental ethics, the ethics of negotiation and conflict, the ethics of public policy.</li> <li>History of contemporary moral and political thought: the origin and nature of modern normative moral and political theories and their historical context.</li> </ul>		
Learning outcomes	<ul> <li>Advanced knowledge of contemporary ethical theories and their relevance to economics and policy-making.</li> <li>The ability to apply moral and political theories to concrete policy problems.</li> <li>The ability to communicate contemporary moral and political theories to in oral and written form.</li> </ul>		
Requirements	Completion of MA-P1, attendance of MA-P2		
Assessment	Active participation in the form of a presentation/essay and end-term seminar paper.		
Workload	Seminars Preparation Written work Total	30 hrs 90 hrs 60 hrs 180 hrs	
ECTS	Each of 6 ECTS.		
Frequency	Second (summer) and third (winter) semesters of study		
Course links			
Remarks			

Module Area	Specialization	
Module Name	Advanced Topics in Business Ethics	
Responsible Unit	Professor for Business Ethics (Prof. Dr. Dr. Alexander Brink)	
Language	English.	
Didactical Form	Advanced seminars with active student participation in the form of presentations and essays based on concrete theoretical and applied prob- lems.	
Content	The aim of this module is to examine ethical issues of management and corporations. The main theories and concepts of business ethics will be discussed, covering a range of complex and controversial applied management problems. Course topics will include issues on corporate governance and corporate social responsibility.	
Learning outcomes	By the end of this course students should be able to have a general un- derstanding of business ethics in an international perspective and will gain the following skills:	
	<ul> <li>Familiarization with fundamental theories and concepts of business ethics.</li> <li>Strengthening the ability to analyse complex business ethics problems and arguments.</li> <li>Ability to apply business ethics theories and concepts to specific management problems.</li> </ul>	
Requirements	A basic understanding of general management theories and business ethics is desirable but not necessary.	
Assessment	Active participation in the form of a presentation/essay and end-term seminar paper.	
Workload	Seminars Preparation Written work	30 hrs 90 hrs 60 hrs
	Total	180 hrs
ECTS	6 ECTS.	
Frequency	Second (summer) and third (winter) semesters of study	
Course links		