

Faculty of Law and Economics
Department of Economics
Rheinische Friedrich-Wilhelms-Universität Bonn

Course Catalogue

Master of Science **Economics**



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Winter Semester 2017/18

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Master of Science (M.Sc.)

Economics

Examination Regulations from 15 June 2011

Valid from Winter Semester 2011/12 until Summer Semester 2017

| Study Course Economics | | | | |
|----------------------------------------------------|-------------------------------------------|-----------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------|
| Optional German Class / Orientation Session | | | | |
| 1st Sem Winter | Basic Module Mathematics | Basic Module (Study Area 1) | Basic Module (Study Area 2) | Basic Module (Study Area 3) |
| 30 CP | 7,5 CP | 7,5 CP | 7,5 CP | 7,5 CP |
| 2nd Sem Summer | Advanced Module (optional) | Advanced Module (Study Area 1) | Advanced Module (Study Area 2) | Advanced Module (optional) |
| 30 CP | 7,5 CP | 7,5 CP | 7,5 CP | 7,5 CP |
| 3rd Sem Winter | Project Module (Study Area 1) | | Advanced Module (optional) | Advanced Module (optional) or Basic Module (optional) |
| | | | or additional Project Module | |
| 30 CP | 15 CP | | 7,5 CP | 7,5 CP |
| 4th Sem Summer | Master Thesis | | | |
| 30 CP | 30 CP | | | |
| M.Sc. Economics 120 CP | | | | |
| Legend: | | | | |
| Basic Modules | | Advanced Modules | | Project Module |

Master of Science (M.Sc.)

Economics

Examination Regulations from 27 September 2017

Valid from Winter Semester 2017/18

| Study Course Economics | | | | |
|----------------------------------------------------|-------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------|
| Optional German Class / Orientation Session | | | | |
| 1st Sem Winter | Basic Module Mathematics | Basic Module (Study Field 1) | Basic Module (Study Field 2) | Basic Module (Study Field 3) |
| 30 CP | 7,5 CP | 7,5 CP | 7,5 CP | 7,5 CP |
| 2nd Sem Summer | Advanced Module (Study Field optional) | Advanced Module (Study Field 1) | Advanced Module (Study Field 2) | Advanced Module (Study Field optional) |
| 30 CP | 7,5 CP | 7,5 CP | 7,5 CP | 7,5 CP |
| 3rd Sem Winter | Research Module (Study Field 1) | | Advanced Module (Study Field optional) | Advanced Module (Study Field optional) or Basic Module |
| 30 CP | 15 CP | | 7,5 CP | 7,5 CP |
| 4th Sem Summer | Master Thesis | | | |
| 30 CP | 30 CP | | | |
| M.Sc. Economics 120 CP | | | | |
| Legend: | | | | |
| Basic Modules | | Advanced Modules | | Research Module |


Modules and Study Fields

BM: Basic Module, ECS: Econometrics and Statistics
 FIE: Financial Economics, MPE: Macroeconomics and
 Public Economics, MAM: Management and Applied
 Microeconomics, MT: Microeconomic Theory, RS:
 Research Module


| Module Title | Study Fields | | | | | | | Page |
|-----------------------------------------------------------------------------------|--------------|-----|-----|-----|-----|----|-----|------|
| | BM | ECS | FIE | MPE | MAM | MT | ERS | |
| Banking and Securitization | | | x | | | | x | 7 |
| Behavioral Economics | | | | | x | | | 8 |
| Computational Statistics | | x | | | | | | 9 |
| Corporate Finance | | | x | | | | | 10 |
| Dynamic Macroeconomics | | | | x | | | x | 11 |
| Dynamic Methods and Applications | | | x | x | x | x | x | 12 |
| Econometric Theory | | x | | | | | x | 13 |
| Econometrics | x | | | | | | | 14 |
| Econometrics II | | x | | | | | x | 15 |
| Economics and Psychology | | | | | x | | x | 16 |
| Economics of Contract and Information | | | | | | x | | 17 |
| Effective Programming Practices for Economists | | x | | | x | | x | 18 |
| Empirical Banking and Finance | | | x | | | | | 19 |
| Finance | x | | | | | | | 20 |
| Game Theory | | | | | | x | | 21 |
| Growth and Development Economics | | | | x | | | | 22 |
| Industrial Organization | | | | | x | | | 23 |
| Information and Dynamic Incentives | | | | | | x | | 24 |
| Institutional Economics | | | | | x | | | 25 |
| International Economics and Finance* (<i>Only Examination Regulations 2011</i>) | | | | x | | | | 26 |
| Labor and Population Economics | | | | x | | | | 27 |
| Labor Economics | | | | | x | | | 28 |
| Macroeconomics | x | | | | | | | 29 |
| Macroeconomics II | | | | x | | | x | 30 |
| Managerial Accounting | | | | | x | | | 31 |
| Mathematics for Economists | x | | | | | | | 32 |
| Mechanism Design and Social Choice | | | | | | x | | 33 |
| Microeconometrics | | x | | | | | | 34 |
| Microeconomics | x | | | | | | | 35 |
| Microeconomics II | | | | | | x | x | 36 |
| Monetary Economics | | | | x | | | | 37 |
| Option Pricing | | | x | | | | | 38 |
| Organization and Incentives* (<i>Only Examination Regulations 2011</i>) | | | | | x | | | 39 |
| Personnel Economics | | | | | x | | | 40 |
| Probability Theory | | x | | | | | | 41 |
| Public Economics | | | | x | | | | 42 |
| Research Module in Econometrics and Statistics | | x | | | | | | 43 |
| Research Module in Financial Economics | | | x | | | | | 44 |
| Research Module in Macroeconomics and Public Economics | | | | x | | | | 45 |

*This module is only included in the master examination regulations of 15.06.2011. The associated course is no longer offered.


| Module Title | Study Fields | | | | | | | Page |
|----------------------------------------------------------------------------|--------------|-----|-----|-----|-----|----|-----|------|
| | BM | ECS | FIE | MPE | MAM | MT | ERS | |
| Research Module in Management and Applied Microeconomics | | | | | x | | | 46 |
| Research Module in Microeconomic Theory | | | | | | x | | 47 |
| Statistical Inference* (<i>Only Examination Regulations 2011</i>) | | x | | | | | | 48 |
| Stochastic Financial Markets* (<i>Only Examination Regulations 2011</i>) | | x | | | | | | 49 |
| Stochastic Processes | | x | | | | | x | 50 |
| Time Series Econometrics | | x | | | | | | 51 |
| Topics in Econometrics and Statistics | | | | | | | x | 52 |
| Topics in Financial Economics | | | | | | | x | 53 |
| Topics in Macroeconomics and Public Economics | | | | | | | x | 54 |
| Topics in Management and Applied Microeconomics | | | | | | | x | 55 |
| Topics in Microeconomic Theory | | | | | | | x | 56 |
| Master Thesis | | | | | | | | 57 |

| Banking and Securitization | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332124029 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM FIE BANKSEC | | | | |
| Responsible Faculty Member | Prof. Dr. Hendrik Hakenes | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Financial Economics, Economic Research | | | Advanced Module | 2nd |
| Learning Outcomes | This course builds on the current literature on banking and securitization with a focus on the financial crisis of the year 2008. The students will be required to thoroughly read the research papers discussed in class. Further, students are required to present an unpublished research paper and write a referee report on this paper. | | | | |
| Key Skills | | | | | |
| Learning Content | This course provides an overview of current topics in banking and securitization. It is an applied course that builds on the basic knowledge in financial economics. The course is organized around methodologies frequently employed in this literature, and will be enriched by frequent references to applications. The focus is on topical research related to the financial crises of 2008. In particular, papers analyzing the incentives problems related to the securitization process are discussed. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Behavioral Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123019 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MAM BEHECON | | | | |
| Responsible Faculty Member | Prof. Dr. Daniel Krähmer | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 2nd |
| Learning Outcomes | The course has three aims: (i) making students familiar with the lively debate in experimental and behavioural economics; (ii) providing them with basic formal models of decision making that account for psychological determinants of individual behaviour, (iii) enabling them to apply those models to applied economic questions. | | | | |
| Key Skills | | | | | |
| Learning Content | This course presents psychological and experimental evidence of departures from perfect rationality, self interest, and other assumptions of more traditional economic studies. The course then explores different ways of how departures from standard assumptions can be captured by formal models. It also discusses the implications of these findings for positive and normative predictions in various institutional settings. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| | | | | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|
| Computational Statistics | | | |  UNIVERSITÄT BONN |
| Module Number 331215035 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester |
| Module Abbreviation | MA ECON AM ECS COMPSTAT | | | |
| Responsible Faculty Member | Prof. Dr. Alois Kneip | | | |
| Institute | Department of Economics | | | |
| Degree Program/ Study Field | Title | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics | | Advanced Module | 2nd |
| Learning Outcomes | Successful students are able to solve methodological, numerical and algorithmic problems encountered in empirical work. | | | |
| Key Skills | | | | |
| Learning Content | The course explains ideas and methodological issues of computationally intensive statistical methods. There will be a special emphasis on algorithmic and numerical aspects of practical implementation. | | | |
| Prerequisites for attending | none | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | Grades | |
| | written or oral exam or term paper | | yes | |
| Special Course Achievements | | | | |
| Other | | | | |


(c) contact time per semester / (s) self study per semester

| Corporate Finance | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332124027 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM FIE CORPFIN | | | | |
| Responsible Faculty Member | Prof. Dr. Hendrik Hakenes | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Financial Economics | | | Advanced Module | 2nd |
| Learning Outcomes | Students know about the theory of corporate finance (first 11 chapters of the Jean Tirole book); they have an advanced knowledge about the financial structure of firms, liquidity structure, corporate governance, mergers and acquisitions; they can construct own theory models; they can read and assess current theoretical articles in corporate finance. | | | | |
| Key Skills | | | | | |
| Learning Content | During the course, we will do three things: go through some parts of the Tirole book on the theory of corporate finance, then (as an exercise) build own variations of the discussed models. Finally, see how the basic theory is applied in current financial theory. That way, the course gives an overview over corporate finance theory, but also increases the students' skills to write up own ideas. This will be helpful for the master thesis later on. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | Recommended Literature: Jean Tirole, Theory of Corporate Finance (2006), plus a number of current research papers | | | | |


(c) contact time per semester / (s) self study per semester

| Dynamic Macroeconomics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332222007 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MPE DYNMAC | | | | |
| Responsible Faculty Member | Prof. Dr. Christian Bayer | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics, Economic Research | | Advanced Module | 2nd | |
| Learning Outcomes | The course has two aims: First and foremost, it aims at acquainting students with the numerical techniques needed to understand modern macroeconomic analysis involving the solution of dynamic programming problems. Second, it repeats in an applied manner concepts and results studied theoretically in the macroeconomics basic course: e.g. business cycle theory, savings decisions, general equilibrium with imperfect capital markets, heterogeneous agent economies. | | | | |
| Key Skills | | | | | |
| Learning Content | The course studies first revisits basic algorithms to solve single agent dynamic programming problems, then discusses possibilities to improve on these algorithms, such as perturbation and projection methods. These techniques are applied to study the business cycle characteristics of model economies. Then algorithms are studied to solve recursive general equilibrium models with heterogeneous agents, such as Aiyagari's (1994) or Krussell and Smith's (1998) model. | | | | |
| Prerequisites for attending | A basic understanding of numerical programming, and MATLAB as programming language is helpful but not required. | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | <p><i>Students having already passed exams in "Macroeconomics II: Dynamic Macroeconomics" cannot take exams in this module.</i></p> <p>Primary readings are:</p> <ul style="list-style-type: none"> * Burkhard und Alfred Maußner, Dynamic General Equilibrium Modelling, Computational Methods and Applications, 2. Edition, Springer: Berlin 2008 * Jerome Adda and Russell W. Cooper, Dynamic Economics: Quantitative Methods and Applications, MIT Press, Cambridge MA, 2003. | | | | |


(c) contact time per semester / (s) self study per semester

| Dynamic Methods and Applications | | | |  UNIVERSITÄT BONN | |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332121011 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM FIE DYNMAPP | | | | |
| Responsible Faculty Member | Prof. Sven Rady, Ph.D. | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Fields: Financial Economics, Macroeconomics and Public Economics, Management and Applied Microeconomics, Microeconomic Theory, Economic Research | | Advanced Module | 2nd | |
| Learning Outcomes | Students get acquainted with one of the most important techniques for forward-looking decision making, the method of dynamic programming, and with its manifold applications in economics. | | | | |
| Key Skills | | | | | |
| Learning Content | The course introduces the dynamic programming approach in discrete time, covering its mathematical underpinnings as well as applications to problems in microeconomics, macroeconomics and finance. | | | | |
| Prerequisites for attending | Knowledge of the contents of the module "Mathematics for Economists" is recommended. | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Econometric Theory | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332125028 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM ECS ECONTHEO | | | | |
| Responsible Faculty Member | Prof. Dr. Michael Vogt | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics, Economic Research | | | Advanced Module | 3rd |
| Learning Outcomes | Students acquire a firm understanding of the fundamental concepts of econometric theory. They should be able to understand and apply standard proof techniques. | | | | |
| Key Skills | | | | | |
| Learning Content | The course deals with theoretical analysis of classical parametric estimators such as least squares, maximum likelihood or GMM estimators. Derivation of results for estimation and inference theory including consistency and asymptotic normality results. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester

| Econometrics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332110005 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON BM ECONOM | | | | |
| Responsible Faculty Member | Prof. Dr. Benjamin Born | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics | | | Basic Module | 1st |
| Learning Outcomes | This course is primarily conceived to acquire a firm understanding of why certain econometric methods work and provide possible remedies for departures from the standard modeling assumptions. An important goal is to show the benefits of combining economic theory, statistical methods to analyze empirical problems in economics. | | | | |
| Key Skills | | | | | |
| Content | This course is to provide a thorough introduction to classic econometric methods including linear and nonlinear regression, (generalized) method of moments, or maximum likelihood in a cross-section and/or time series context. Theoretical analysis as well as practical implementation of these methods is part of this course as well. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | Lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written exam | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per semester / (s) self study per semester

| Econometrics II | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 331215035 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM ECS ECONOMII | | | | |
| Responsible Faculty Member | Prof. Dr. Alois Kneip | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics, Economic Research | | | Advanced Module | 2nd |
| Learning Outcomes | Students acquire an expert understanding of advanced econometric procedures and of underlying theoretical reasoning. Using the advanced methods learned they should be able to solve methodological problems encountered in empirical work. | | | | |
| Key Skills | | | | | |
| Learning Content | The course introduces students to advanced econometric methods, e.g. non- or semiparametric regression, bootstrap techniques, computationally intensive methods in a cross-section and/or time series context. | | | | |
| Prerequisites for attending | Basic Module "Econometrics" | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester

| Economics and Psychology | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332123022 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MAM ECOPSY | | | | |
| Responsible Faculty Member | Prof. Dr. Lorenz Götte | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Applied Microeconomics, Economic Research | | Advanced Module | 3rd | |
| Learning Outcomes | Students will learn how to test key implications of the standard model of economics in a variety of settings (intertemporal choice, choice under uncertainty, strategic situations). They will learn how to interpret deviations from the predictions of the standard economic model and how these can be integrated into theory. They will learn how to test these predictions in a variety of settings. | | | | |
| Key Skills | Economic modeling, econometric methods, structural estimation | | | | |
| Learning Content | In this course, we discuss psychological foundations of economic behavior and their implications. Providing the economic model with a more realistic foundation is important not only from a general research perspective, but also for improved predictions and policy recommendations. We will discuss empirical regularities from experiments and field studies that violate the predictions of the standard model, review models that integrate the underlying intuitions into a formal economic model and assess the predictions of this new model. The course has a heavy emphasis on testing the predictions of the model in the field and to assess the quantitative importance of the behavioural features. | | | | |
| Prerequisites for attending | None | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | none | | | | |
| Other | There is no textbook for the course. Readings will be based exclusively on research papers. | | | | |


(c) contact time per semester / (s) self study per semester

| Economics of Contracts and Information | | | |  UNIVERSITÄT BONN | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332121008 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MIT ECOCONIN | | | | |
| Responsible Faculty Member | Prof. Dr. Deszö Szalay | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Microeconomic Theory | | | Advanced Module | 2nd |
| Learning Outcomes | Students study the impact of asymmetric information on market outcomes. They learn to apply game theoretic tools to understand contracts and institutions as optimal outcomes under asymmetric information. | | | | |
| Key Skills | | | | | |
| Learning Content | Markets with asymmetric information, Signalling, Screening, Contracting under moral hazard and asymmetric information, Non-linear pricing, auctions. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | lecture, tutorial, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) = contact time per semester / (s) self study per semester

| Effective Programming Practices for Economists | | | |  UNIVERSITÄT BONN | |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332123026 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM ECS EFFPROPE | | | | |
| Responsible Faculty Member | Prof. Dr. Hans-Martin von Gaudecker | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Fields: Management and Applied Microeconomics, Econometrics and Statistics, Economic Research | | Advanced Module | 2nd or 4th | |
| Learning Outcomes | Acquire the programming and software development skills required to manage complex research projects and to make the results reproducible. | | | | |
| Key Skills | Programming, software development | | | | |
| Learning Content | This course introduces students to software development methods that will substantially reduce their time spent programming while at the same time making their programs more dependable and their results reproducible without extra effort. The course draws extensively on some simple techniques that are the backbone of modern software development, which most economists are simply not aware of. It shows the usefulness of these techniques for a wide variety of economic and econometric applications by means of hands on examples. | | | | |
| Prerequisites for attending | | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | Own economic programming project | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester

| Empirical Banking and Finance | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332124030 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM FIE EMPBF | | | | |
| Responsible Faculty Member | Prof. Dr. Isabel Schnabel | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Financial Economics | | | Advanced Module | 2nd |
| Learning Outcomes | Students will learn the econometric methods used in the area of banking and finance and how to critically assess empirical research articles. The course's main focus is on the research question whether bank activities and financial development, such as the size of the banking market, matter for the real economy. | | | | |
| Key Skills | Critical discussion of research papers, empirical research using Stata, presentation skills. | | | | |
| Learning Content | <p>The course consists of lectures, tutorials, and student presentations. During the lectures, students are introduced to commonly used (micro-) econometric methods: finance and growth in the cross-section, panel methods/ fixed effects, differences-in-differences estimation, instrumental variables estimation, the method by Rajan and Zingales (1998). The goal is to get an intuitive grasp of these methods and to understand how they help to identify causal effects.</p> <p>During the tutorials, students learn how to implement the methods using the software Stata. Student presentations are integrated into the lectures. Each student (or team of 2-3 students) receives an empirical journal article, which is to be presented and discussed in class (research question, identification strategy, interpretation of empirical results, critical assessment of the paper, etc.).</p> | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | none | | | | |
| Other | Main textbook: "Introductory Econometrics – A Modern Approach" by Jeffrey M. Wooldridge. Further, the course is based on several journal articles in the area of banking and finance which will be provided in due course. | | | | |


(c) contact time per semester / (s) self study per semester

| | | | | | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Finance | | | |  UNIVERSITÄT BONN | |
| Module Number 332110004 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON BM FINANCE | | | | |
| Responsible Faculty Member | Prof. Dr. Klaus Sandmann | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Financial Economics | | | Basic Module | 1st |
| Learning Outcomes | The aim of this course is to provide students with an understanding of the most important theories in financial economics. It enables students to read and understand original research literature, to take a stand on current issues in finance, and it lays the foundation for specialized courses in finance. | | | | |
| Key Skills | | | | | |
| Content | The course provides a rigorous introduction into the theory of finance and its implications for corporate financial management. It covers the main areas of modern finance, including the theory of investments under certainty and uncertainty, the pricing of assets and derivatives, and an introduction into corporate financial policy. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written exam | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per semester / (s) self study per semester

| Game Theory | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 33121003 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MIT GAMETHEO | | | | |
| Responsible Faculty Member | Prof. Dr. Tymon Tatur | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Microeconomic Theory | | | Advanced Module | 2nd |
| Learning Outcome | The successful student will learn to read advanced text, understand and critically question the modelling used in recent game theoretic papers, and will be able to follow and apply the techniques and the methods used in these papers. | | | | |
| Key Skills | | | | | |
| Content | The course will cover recent topics and advances in game theory. It will focus on a topical theme in game theory and will cover recent development in this field. The course will emphasize the relevance to economic problems and the methods and techniques used in the current literature. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) = contact time per semester / (s) self study per semester

| Growth and Development Economics | | | |  UNIVERSITÄT BONN | |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332122020 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MPE GRODEC | | | | |
| Responsible Faculty Member | JProf Dr. Felipe Valencia Caicedo | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | Advanced Module | 3rd | |
| Learning Outcomes | This course serves as an advanced introduction to the fields of economic growth, development economics and economic history. The idea is that students learn about the fundamental paradigms and schools of thought of economics development and that they are able to think critically and proactively about issues of economic growth and development. | | | | |
| Key Skills | | | | | |
| Learning Content | This module starts with a broad overview about Economic Growth by documenting the staggering differences between (and within) countries and covering some of the theories that have been proposed to explain them. Further on the module focusses on smaller (but equally important) questions about nutrition, health, education and population. Methods used in modern empirical research will be explained. Lastly, some of the recent advances in the novel field of historical development will be presented. | | | | |
| Prerequisites for attending | A good working knowledge of calculus, statistics and econometrics is recommended. | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | <u>Recommended Literature:</u> Ray, Debraj. Development Economics. Princeton University Press, 1998. (DE) Banerjee, Abhijit and Esther Duflo. Poor Economics: A radical rethinking of the way to fight global poverty. Public Affairs, 2011. (PE) More advanced and specific articles that serve as complementary reading will be posted as we go along. | | | | |


(c) contact time per semester / (s) self study per semester

| Industrial Organization | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123016 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MAM INDORG | | | | |
| Responsible Faculty Member | JProf. Dr. Florian Hoffmann | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 3rd |
| Learning Outcomes | Students become acquainted with basic tools and selected topics in modern industrial organization. In particular, they learn how to (i) apply key theoretical ideas and important formal techniques to selected questions, (ii) link theory to empirical work, and (iii) relate theoretical results to policy issues. | | | | |
| Key Skills | | | | | |
| Learning Content | The first part of the course presents models in industrial organization (IO) that aim at explaining firm behaviour in different strategic environments. Within the context of static and dynamic oligopoly models, standard tools of theoretical IO are taught and some key theoretical results are confronted with empirical evidence. The second part of the course will focus on selected topics such as mergers, collusion or predatory behaviour. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Information and Dynamic Incentives | | | |  UNIVERSITÄT BONN | |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332121012 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly, winter semester | |
| Module Abbreviation | MA ECON AM MIT INFODIN | | | | |
| Responsible Faculty Member | Prof. Dr. Dezsö Szalay | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Microeconomic Theory | | | Advanced Module | 3rd |
| Learning Outcome | Students study the impact of asymmetric information on market and contracting outcomes in dynamic environments. They learn to apply game theoretic tools to understand contracts and institutions as optimal outcomes under asymmetric information. | | | | |
| Key Skills | | | | | |
| Learning Content | Dynamic models of signaling and communication; models of repeated contracting under moral hazard and adverse selection with and without commitment. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time per week | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs Per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) = contact time per semester / (s) self study per semester

| Institutional Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123018 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle yearly; summer term | |
| Responsible Faculty Member | Prof. Dr. Eva Hoppe-Fischer | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics Study Field: Applied Microeconomics | | | Advanced Module | 2nd |
| Learning Outcomes | The students learn to analyze formal institutions from an economic point of view, taking the prevailing information structures into account. In particular, they investigate strategic interaction and they compare incentive structures arising from different institutions. | | | | |
| Key Skills | | | | | |
| Content | In this course, the methods of contract theory are applied to the economic analysis of institutions. In this context, the course covers the analysis of moral hazard and adverse selection models as well as hold-up problems and the optimal allocation of property rights. | | | | |
| Prerequisites for attending | The basic module Microeconomics is strongly recommended. | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per term / (s) self study per term

| International Economics and Finance MA ECON AM MPE INTECON | | | |  UNIVERSITÄT BONN | |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123018 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle yearly; summer term | |
| Responsible Faculty Member | Prof. Dr. Christian Bayer | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | | Advanced Module | 2nd |
| Learning Outcomes | <p>International macroeconomics and finance is concerned with international linkages through trade in goods/services and through financial markets. This course aims at providing the basis for understanding the role of shocks and frictions in shaping fluctuations in the open economy and to understand policy options. Towards this end, the course discusses stylized facts of fluctuations in open economies. It, then, introduces the workhorse models and how different shocks and frictions may shape the business cycle in the open economy. With nominal rigidities, there will be a role to the monetary policy regime and the nominal exchange rate. This allows discussing the effect of the monetary and fiscal policy mix for fluctuations.</p> | | | | |
| Key Skills | | | | | |
| Content | Students acquire skills for solving dynamic optimization problems as they frequently arise in international economics and finance. In addition, applications to topical issues in international economics and finance are discussed. Students also learn to solve numerical and/or empirical exercises using standard software packages. | | | | |
| Prerequisites for attending | The basic module Macroeconomics is strongly recommended. | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Other | | | | | |


(c) = contact time per term / (s) self study per term

| Labor and Population Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332122008 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MPE LAPOP | | | | |
| Responsible Faculty Member | Prof. Dr. Jürgen von Hagen | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | | Advanced Module | 3rd |
| Learning Outcomes | The Students are exposed to current questions and topics in the areas of labor and population economics. They acquire the ability to conduct their own research in this field. | | | | |
| Key Skills | | | | | |
| Learning Content | This course covers current theories and empirical methods to explain labor market developments and population dynamics in selected industrialized countries. The course focuses in particular on the interaction between these two areas. It also stresses the importance of institutions in explaining differences in labor market and population performance across countries. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Labor Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123027 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MAM LABECON | | | | |
| Responsible Faculty Member | Prof. Dr. Thomas Dohmen | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 2nd |
| Learning Outcomes | Students will gain a solid knowledge of labor economics and acquire an up-to-date understanding of the functioning of labor markets. Students will become competent to critically evaluate economic theory in light of empirical evidence. | | | | |
| Key Skills | | | | | |
| Learning Content | The course sheds light on the employment decisions from the perspective of the firm and the worker. Examples of topics include neoclassical model of labor supply model, labor demand, wages and employment determination with reference to labor market institutions (e.g. minimum wages, unemployment insurance, employment protection), search and matching theory, human capital theory, and the design of incentive schemes. There will be an emphasis on the interaction between theoretical and empirical modeling. Insights from state-of-the art empirical work will be discussed alongside theory. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Macroeconomics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332110003 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviations | MA ECON BM MACRO | | | | |
| Responsible Faculty Member | Prof. Dr. Thomas Hintermaier | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | | Basic Module | 1st |
| Learning Outcomes | The main goal of this course is to acquaint students with the methodological framework underlying current research and academic debates in dynamic macroeconomics. This will provide them with the background required to understand current research literature and a rigorous foundation for the discussion of macroeconomic policies. | | | | |
| Key Skills | Model based economic analysis | | | | |
| Content | This course provides an introduction into the current state of macroeconomic theory for graduate students. It is divided in three parts: growth theory, real business cycle theory, and financial macroeconomics. The first part deals with the question what makes economies grow in the long run, while in the last two parts dynamic stochastic equilibrium models are developed and solved. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written exam | | | yes | |
| Special Course Achievements | | | | | |
| Other | The presentation of topics is organized according to the level of textbooks such as M. Wickens, "Macroeconomic Theory", or D. Romer, "Advanced Macroeconomics". | | | | |


(c) = contact time per semester / (s) self study per semester

| Macroeconomics II | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332222018 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MPE MACROII | | | | |
| Responsible Faculty Member | Prof. Dr. Christian Bayer | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics, Economic Research | | Advanced Module | 2nd | |
| Learning Outcomes | The course aims at providing students with the state-of-the-art methods to answer questions from different fields in macroeconomics. The course will introduce several widely used modelling frameworks and introduces students to the analysis of these frameworks. The goal is that students at the end of the course can perform independent analysis of macroeconomic questions using the theoretical frameworks and methods from the course. | | | | |
| Key Skills | | | | | |
| Learning Content | The plan is to cover consumption-saving theory in standard incomplete markets models and in models with endogenously incomplete markets. The course will cover both infinite horizon and overlapping generation models. In addition, the course covers investment decisions of firms and topics on labor markets and income dynamics. | | | | |
| Prerequisites for attending | Basic Module <i>Macroeconomics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Managerial Accounting | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123015 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MAM MANACC | | | | |
| Responsible Faculty Member | Prof. Dr. Jörg Budde | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 3rd |
| Learning Outcomes | The students learn the economic effects arising from the use of information systems in firms. It enables them to assess information sources and arrangements with respect to their opportunities and drawbacks under different operational and organizational structures. | | | | |
| Key Skills | | | | | |
| Learning Content | This course analyzes the use of information in firms. Special emphasis is placed on the coordination of decisions in decentralized organizations. The course covers information systems as well as instruments of coordination. Theoretical concepts are derived and then used to evaluate the potential of management control systems. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Mathematics for Economists | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332110001 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle yearly; winter term | |
| Responsible Faculty Member | Dezsö Szalay | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics | | | Basic Module | 1st |
| Learning Outcomes | Students become familiar with the use of mathematics to study economic problems. The course aims to equip students with the necessary technical toolkit to read economic research independently. | | | | |
| Key Skills | | | | | |
| Content | <p>The course covers optimization methods as they are used in economic research. Both static and dynamic methods are treated. Existence and comparative statics properties of solutions are covered.</p> <p>Difference and differential equations are discussed, as mastering these techniques is essential for macroeconomic applications in particular but not exclusively.</p> <p>Basic concepts in linear Algebra are discussed with a view to their applications in other basic and advanced modules.</p> | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture and additional tutorial | | | 6 hrs per week | (c) 90 (s) 135 |
| Examination(s) | Type of Examination | | | Grades | |
| | written exam | | | yes | |
| Special Course Achievements | | | | | |
| Other | In addition to the standard version, a special course “Mathematics for Economists BGSE” is offered for students interested in the study area “Economic Research” | | | | |


(c) = contact time per term / (s) self study per term

| Mechanism Design and Social Choice | | | |  UNIVERSITÄT BONN | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332121007 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MIT MEDSOCC | | | | |
| Responsible Faculty Member | Prof. Dr. Benny Moldovanu | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Microeconomic Theory | | Advanced Module | 2nd | |
| Learning Outcomes | The course aims at providing its participants with the methodological competence to understand and critically evaluate current research in mechanism design and contract theory. It thus complements other courses which cover similar ground from a more applied perspective. | | | | |
| Key Skills | | | | | |
| Learning Content | This course presents a thorough treatment of mechanism design and contract theory by highlighting the common themes and methodologies that unite the field. The main topics covered are hidden information models, hidden action models and incomplete contracts. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Microeconometrics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332125027 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM ECS MICROEC | | | | |
| Responsible Faculty Member | Prof. Dr. Hans-Martin von Gaudecker | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics | | | Advanced Module | 2nd |
| Learning Outcomes | Students are provided with a broad encyclopaedic knowledge of methods for the analysis of microeconomic data and to let him/her obtain an active command of the mathematical and computational aspects of the various methods. | | | | |
| Key Skills | | | | | |
| Learning Content | The course deals with methods that are commonly used in the analysis of microeconomic datasets, including methods to deal with discrete and limited-dependent variables, discrete choice models, censored regression, models for self-selection, models for duration data and panel data. The emphasis is on the specification, estimation, interpretation, and testing of microeconomic models rather than a rigorous treatment of the asymptotic properties of estimators. | | | | |
| Prerequisites for attending | Basic Module <i>Econometrics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester

| Microeconomics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332110002 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON BM MATH | | | | |
| Responsible Faculty Member | Prof. Dr. Deszö Szalay | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics | | | Basic Module | 1st |
| Learning Outcomes | The course aims to expose the students to the basic paradigms of modern microeconomics, on an advanced formal level. Another important goal is the exposure to a variety of modelling techniques that will be often used in subsequent courses. | | | | |
| Key Skills | | | | | |
| Content | The course covers the core topics in microeconomic theory. It includes the fundamentals of individual decision making, game theory, and general equilibrium theory. The lecture provides a rigorous foundation for common modelling techniques and solutions concepts, and gives an introduction to their application in fields like information economics. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | lecture, tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written exam | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per semester / (s) self study per semester

| Microeconomics II | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332121010 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MIT MICROII | | | | |
| Responsible Faculty Member | Prof. Dr. Benny Moldovanu | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Microeconomic Theory | | | Advanced Module | 2nd |
| Learning Outcomes | The course aims to expose the students to the basic paradigms of modern microeconomics, on an advanced formal level. Another important goal is the exposure to a variety of modeling techniques that will be often used in subsequent courses. | | | | |
| Key Skills | | | | | |
| Learning Content | The course covers the core topics in microeconomic theory. It includes the fundamentals of information in economics, social choice and mechanism design. The lecture provides a rigorous foundation for common modeling techniques and solutions concepts, and gives an introduction to their applications. | | | | |
| Prerequisites for attending | Basic Module <i>Microeconomics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) = contact time per semester / (s) self study per semester

| Monetary Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------|--|
| Module Number 332122011 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MPE MONEC | | | | |
| Responsible Faculty Member | Prof. Dr. Keith Kuester | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | Advanced Module | 2nd | |
| Learning Outcomes | Students will be familiar with the methods and concepts necessary to understand monetary economics and policy. Analyzing monetary policy quantitatively using value function iteration, Ramsey optimal policy, linearization techniques of DSGE models | | | | |
| Key Skills | | | | | |
| Learning Content | The course will analyze monetary economics within the class of dynamic general equilibrium models. First, conditions under which money has real effects are identified. Second, optimal policy is discussed. Further topics cover the interaction of monetary and fiscal policy, empirical findings, and the influence of the financial sector. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 2+2 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Option Pricing | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332124023 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM FIE OPTPR | | | | |
| Responsible Faculty Member | Prof. Dr. Klaus Sandmann | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Financial Economics | | | Advanced Module | 3rd |
| Learning Outcomes | The course aims to provide students with an understanding of the Black and Scholes option pricing model. It enables them to recognize the significant role of risk neutral pricing as the basis of modern option pricing theory. Students learn to apply the technique including numerical methods of risk neutral pricing to nonstandard financial products and to review the hedging strategies with respect to the risk management of options. | | | | |
| Key Skills | | | | | |
| Learning Content | The course presents the pricing and hedging of options in the continuous time model by Black and Scholes. The model dependency of the perfect duplication strategy and its applications to risk management will be discussed. This includes a discussion of the differences between dynamic hedging strategies and static or robust hedging. Beside standard options the pricing of more complex financial contracts will be analysed. Numerical approximations like the Monte Carlo method will be applied to these contracts. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Organizations and Incentives | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123017 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle yearly; summer term | |
| Responsible Faculty Member | Prof. Dr. Mattias Kräkel | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 2nd |
| Learning Outcomes | The course enables students to apply game theory and microeconomic results from incentive theory to organizational problems which arise from the division of labour within and between different hierarchical layers. The students will learn that the foundation of organizations can be both a solution to incentive problems and, at the same time, a source for new ones. | | | | |
| Key Skills | | | | | |
| Content | Starting from the fundamental trade-off between incentives and risk sharing, the course presents theoretical models on static and dynamic incentives in organizations. Incentive problems are analyzed which arise from asymmetric information or the impossibility of writing complete contracts. According to the nature of the incentive problem at hand, solutions and their practical implementation in organizations are discussed. | | | | |
| Prerequisites for attending | Basic Module <i>Microeconomics</i> | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per term / (s) self study per term

| Personnel Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123014 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM MAM PERSECON | | | | |
| Responsible Faculty Member | Prof. Dr. Matthias Kräkel | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 3rd |
| Learning Outcomes | The Students obtain an understanding of (1) how employees react to an employer's personnel politics and (2) how an employer should choose his personnel politics in order to generate efficient incentives and an efficient internal allocation of employees. Students also learn to analyze and critically discuss empirical findings of both field and experimental studies. | | | | |
| Key Skills | | | | | |
| Learning Content | From the view of personnel economics, efficiency of the firm can be enhanced by providing appropriate incentives, by matching employees to positions they fit and by investments in human capital. This course deals with advanced wage theories and it addresses employees' motivation. In addition, it covers career theoretical aspects pertinent to the allocation of employees within the firm. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester


| Probability Theory | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332125032 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM ECS PROBTHEO | | | | |
| Responsible Faculty Member | Prof. Dr. Lorens Imhof | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics | | | Advanced Module | 2nd |
| Learning Outcomes | Students get acquainted with modern concepts and tools of probability. They obtain a rigorous basis for understanding and applying current research in statistics and probability theory. | | | | |
| Key Skills | | | | | |
| Learning Content | The course introduces to the mathematical theory of probability such as integration, probability measures, random variables, expectations, concepts of convergence and limit theorems. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester


| Public Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332222019 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM MPE PUBECON | | | | |
| Responsible Faculty Member | Prof. Dr. Fabian Kindermann | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | | Advanced Module | 2nd |
| Learning Outcomes | The students acquire solid knowledge of the quantitative methods and models for the analysis of public policies. They become familiar with the current state of research and learn the tools and techniques necessary for conducting their own research in this area. | | | | |
| Key Skills | | | | | |
| Learning Content | This course offers a modern analysis of the economics of the public sector. Topics include the theory and practice of taxation, government debt and sovereign default as well as issues in social security and health economics. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester


| Research Module in Econometrics and Statistics | | | |  UNIVERSITÄT BONN | |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 331215050 | Workload 450 h | Credits 15 CP | Duration 1 Semester | Cycle yearly, winter semester | |
| Module Abbreviation | MA ECON RM ECS | | | | |
| Responsible Faculty Member | Prof. Dr. Alois Kneip | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics | | | Advanced Module | 3rd |
| Learning Outcomes | Students are acquainted with quantitative research methods. They are able to document, present and defend the results of their research. | | | | |
| Key Skills | | | | | |
| Content | The course provides students with a variety of new methods for analyzing large and complex sets of economic data. Practical implementation to read data problems is part of the course as well. Students will become familiar with basics of scientific methods in the field, with literature search, with reading and documenting scientific articles in Econometrics and Statistics as well as defining research topics and formulating specific research questions. | | | | |
| Prerequisites for attending | Two advanced modules (not Topics) | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time per week | Workload [h] |
| | Lectures | | | 2 | 60 |
| | Presentations | | | 1 | 30 |
| | Discussion Groups | | | 1 | 30 |
| | Selfstudy | | | 4 | 330 |
| Examination(s) | Type of Examination | | | Grades | |
| | presentation and term paper or essay | | | presentation 40% term paper/essay 60% | |
| Special Course Achievements | none | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |

| Research Module in Financial Economics | | | |  UNIVERSITÄT BONN | |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332124050 | Workload 450 h | Credits 15 CP | Duration 1 Semester | Cycle yearly, winter semester | |
| Module Abbreviation | MA ECON RM FIE | | | | |
| Responsible Faculty Member | Prof. Dr. Hendrik Hakenes | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Financial Economics | | Advanced Module | 3rd | |
| Learning Outcomes | After completion of a project module students should: be familiar with the basics of scientific methods relevant for the topic of the project module, be able to do a literature search, read and document scientific articles in Economics, be capable of defining research topics, formulating specific research questions in Economics and developing a research approach to investigate, be acquainted with academic research methods relevant for investigating the project's topic, be able to document, present and defend in class the results of their research. | | | | |
| Key Skills | academic research, academic writing, rhetorical skills, presentation skills | | | | |
| Content | Financial decision taking in general and in particular the regulation of financial markets, the incentive problems in management payments, the valuation and risk management of financial products and insurance contracts are central questions of many economic situations. The module will focus on theoretical models as well as empirical results of valuation, risk taking and management as well as regulation in different areas (e.g., in corporate finance, banking and insurance regulation, pricing and hedging of derivative contracts, dynamic models of traded and non-traded financial risk). | | | | |
| Prerequisites for attending | Basic Module <i>Finance</i> and two advanced modules (except Topics) | | | | |
| Course Type | Lecture, Seminar | | Contact time per week | Workload [h] | |
| | Lectures | | 2 hrs | 60 | |
| | Presentations | | 1 hrs | 30 | |
| | Discussion Groups | | 1 hrs | 30 | |
| Selfstudy | | 4 hrs | 330 | | |
| Examination(s) | Type of Examination | | Grades | | |
| | presentation and term paper or essay | | presentation 40% term paper/essay 60% | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


| Research Module in Macroeconomics and Public Economics | | | |  UNIVERSITÄT BONN | |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332023050 | Workload 450 h | Credits 15 CP | Duration 1 Semester | Cycle yearly , winter semester | |
| Module Abbreviation | MA ECON RM MPE | | | | |
| Responsible Faculty Member | Prof. Dr. Christian Bayer | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Macroeconomics and Public Economics | | Advanced Module | 3rd | |
| Learning Outcomes | After completion of a project module students should: be familiar with the basics of scientific methods relevant for the topic of the project module, be able to do a literature search, read and document scientific articles in Economics, be capable of defining research topics, formulating specific research questions in Economics and developing a research approach to investigate, be acquainted with academic research methods relevant for investigating the project's topic, be able to document, present and defend in class the results of their research | | | | |
| Key Skills | academic research, academic writing, rhetorical skills, presentation skills | | | | |
| Content | Modern macroeconomics has moved to explore the quantitative implications of market interactions in the aggregate economy. These quantitative models focus on the structure of the economic decision problems single agents in the economy face, allow for (explicit) aggregation and finally to address a variety of research questions. The module will focus on theoretical models, their solution and their empirical application. | | | | |
| Prerequisites for attending | Basic module <i>Macroeconomics</i> and two advanced modules (except Topics) | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time per week | Workload [h] |
| | Lectures | | | 2 hrs | 60 |
| | Presentations | | | 1 hrs | 30 |
| | Discussion Groups | | | 1 hrs | 30 |
| Selfstudy | | | 4 hrs | 330 | |
| Examination(s) | Type of Examination | | | Grades | |
| | presentation and term paper or essay | | | presentation 40% term paper/essay 60% | |
| Special Course Achievements | none | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |

| Research Module in Management and Applied Microeconomics | | | |  UNIVERSITÄT BONN | |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332123050 | Workload 450 h | Credits 15 CP | Duration 1 Semester | Cycle yearly, winter semester | |
| Module Abbreviation | MA ECON RM MAM | | | | |
| Responsible Faculty Member | Prof. Dr. Matthias Kräkel | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Management and Applied Microeconomics | | | Advanced Module | 3rd |
| Learning Outcomes | After completion of a project module students should: be familiar with the basics of scientific methods relevant for the topic of the project module, be able to do a literature search, read and document scientific articles in Economics, be capable of defining research topics, formulating specific research questions in Economics and developing a research approach to investigate, be acquainted with academic research methods relevant for investigating the project's topic, be able to document, present and defend in class the results of their research | | | | |
| Key Skills | academic research, academic writing, rhetorical skills, presentation skills | | | | |
| Content | Cooperation and incentive problems are at the heart of many economic situations: for example, a group's joint outcome is highest if group members cooperate, but individual payoff maximization leads to free-riding and cooperation failures. The module will focus on theoretical models as well as empirical results of cooperation and incentive issues in different areas (e.g., in public economics, personnel economics and industrial organization). For example, light will be shed on the provision of public goods, the interaction of employees at the workplace and the collusion of firms. | | | | |
| Prerequisites for attending | Basic module <i>Microeconomics</i> and two advanced modules (except Topics) | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time per week | Workload [h] |
| | Lectures | | | 2 hrs | 60 |
| | Presentations | | | 1 hrs | 30 |
| | Discussion Groups | | | 1 hrs | 30 |
| Selfstudy | | | 4 hrs | 330 | |
| Examination(s) | Type of Examination | | | Grades | |
| | presentation and term paper or essay | | | presentation 40% term paper/essay 60% | |
| Special Course Achievements | none | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


| Research Module in Microeconomic Theory | | | |  UNIVERSITÄT BONN | |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332121050 | Workload 450 h | Credits 15 CP | Duration 1 Semester | Cycle yearly, winter semester | |
| Module Abbreviation | MA ECON RM MIT | | | | |
| Responsible Faculty Member | Prof. Dr. Deszö Szalay | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Microeconomic Theory | | Advanced Module | 3rd | |
| Learning Outcomes | After completion of a project module students should: be familiar with the basics of scientific methods relevant for the topic of the project module, be able to do a literature search, read and document scientific articles in Economics, be capable of defining research topics, formulating specific research questions in Economics and developing a research approach to investigate, be acquainted with academic research methods relevant for investigating the project's topic, be able to document, present and defend in class the results of their research | | | | |
| Key Skills | academic research, academic writing, rhetorical skills, presentation skills | | | | |
| Content | When individuals interact, incentive problems are the rule rather than the exception. Individuals need to have incentives to reveal information that is used to reach desirable outcomes. Incentives are provided through different forms of social interactions, be that contracts or simply procedural rules. We study theoretical models of interactions among strategic agents in various contexts. One such context is communication and decision making, where we advance our understanding of procedural rules - such as the ones governing the interactions between the US congress and its standing committees - as we see them in practice. Other contexts include the optimal organization of and optimal contracting within firms and further applications. | | | | |
| Prerequisites for attending | Basic module <i>Microeconomics</i> and two advanced modules (except Topics) | | | | |
| Course Type | Lectures, Tutorials, etc. | | Contact time per week | Workload [h] | |
| | Lectures | | 2 hrs | 60 | |
| | Presentations | | 1 hrs | 30 | |
| | Discussion Groups | | 1 hrs | 30 | |
| Selfstudy | | 4 hrs | 330 | | |
| Examination(s) | Type of Examination | | Grades | | |
| | presentation and term paper or essay | | presentation 40% term paper/essay 60% | | |
| Special Course Achievements | none | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |

| Statistical Inference | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332125030 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle yearly; winter term | |
| Responsible Faculty Member | Prof. Dr. Alois Kneip | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics Study Field: Econometrics and Statistics | | | Advanced Module | 2nd |
| Learning Outcomes | The course aims to provide students with an understanding of fundamental concepts of modern statistical inference. It enables them to follow methodological discussions of statistical procedures proposed in original research papers. Participants are prepared for a sensible use of statistics in their own empirical work. | | | | |
| Key Skills | | | | | |
| Content | The course deals with statistical methods for the analysis of complex data. It concentrates on concepts and theoretical foundations of contemporary statistical inference. Finite sample and asymptotic properties of parametric and nonparametric procedures are derived and discussed. | | | | |
| Prerequisites for attending | | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per term / (s) self study per term

| Stochastic Financial Markets | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332122010 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle yearly; winter term | |
| Responsible Faculty Member | Prof. Dr. Klaus Sandmann | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics Study Field: Finance | | | Advanced Module | 2nd |
| Learning Outcomes | On the basis of profound knowledge of the main theoretical results the participants should get familiar with recent contributions. The course aims to provide students with an understanding of the arbitrage pricing theory and its application for the risk management of derivative contracts. It enables them to critical review different modelling approaches and to decompose complex financial products into their basic financial structures. | | | | |
| Key Skills | | | | | |
| Content | The course derives a general continuous time model of a financial market under uncertainty. Starting with different models of the term structure of interest rate the modelling framework will be extended to cover equity as well as exchange rate risks. The application of different pricing measures like the martingale and the forward risk adjusted measure for the pricing of financial derivatives will be discussed. Special emphasis will be given to the pricing and hedging of interest rate and exchange rate depending financial contracts like caps, floors, swaptions, currency options and structured products. | | | | |
| Prerequisites for attending | Basic Module <i>Finance</i> | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) = contact time per term / (s) self study per term

| Stochastic Processes | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332125029 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; winter semester | |
| Module Abbreviation | MA ECON AM ECS STOPROC | | | | |
| Responsible Faculty Member | Prof. Dr. Lorens Imhof | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Econometrics and Statistics, Economic Research | | Advanced Module | 3rd | |
| Learning Outcomes | Students understand concepts of stochastic processes and achieve technical competence for understanding current research and developing stochastic models. | | | | |
| Key Skills | | | | | |
| Learning Content | The course provides thorough treatment of structural and asymptotic properties, theory and application of stochastic processes. | | | | |
| Prerequisites for attending | none | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | lecture, integrated tutorial | | 4 hrs per week | (c) 60 (s) 165 | |
| Examination(s) | Type of Examination | | Grades | | |
| | written or oral exam or term paper | | yes | | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester

| Time Series Econometrics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332125031 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle yearly; summer semester | |
| Module Abbreviation | MA ECON AM ECS TIMESEC | | | | |
| Responsible Faculty Member | Prof. Dr. Benjamin Born | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Econometrics and Statistics | | | Advanced Module | 2nd |
| Learning Outcomes | Students should be able to understand and use tools for the analysis of uni- and multivariate time series. | | | | |
| Key Skills | | | | | |
| Learning Content | The course shows time series methods used in economic and financial applications such as ARIMA, unit root processes, cointegration or vector autoregression. | | | | |
| Prerequisites for attending | Basic Module <i>Econometrics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | lecture, integrated tutorial | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | written or oral exam or term paper | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |


(c) contact time per semester / (s) self study per semester

| Topics in Econometrics and Statistics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|
| Module Number 332134008 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle summer and/or winter semester | |
| Module Abbreviation | MA ECON AM ERS TOPECS | | | | |
| Responsible Faculty Member | Prof. Dr. Alois Kneip | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Economic Research | | Advanced Module | 2nd/3rd | |
| Learning Outcomes | Participants learn to read technically and conceptually demanding original literature. They acquire skills to do independent research. | | | | |
| Key Skills | | | | | |
| Learning Content | This course covers current research topics in econometric theory and applications. | | | | |
| Prerequisites for attending | Basic Modules <i>Mathematic for Economists</i> and <i>Econometrics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | seminar | | 2 hrs per week | (c) 30 (s) 195 | |
| Examination(s) | Type of Examination | | Grades | | |
| | presentation and term paper or essay | | presentation 40% term paper/essay 60% | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Topics in Financial Economics | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|
| Module Number 332133003 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle summer and/or winter semester | |
| Module Abbreviation | MA ECON AM ERS TOPFIE | | | | |
| Responsible Faculty Member | Prof. Dr. Hendrik Hakenes | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Economic Research | | Advanced Module | 2nd/3rd | |
| Learning Outcomes | Participants learn to read technically and conceptually demanding original literature and to present the results to other participants. If participants encounter difficulties in understanding details of the literature, they must learn to narrow down the problem and to formulate exact questions. The course prepares students to do independent research and to participate in the joint research activities of the Economics Department. | | | | |
| Key Skills | | | | | |
| Learning Content | This course covers current research topics in financial economics, including original results obtained within the joint research activities of the Economics Department of Bonn University as well as related topics from the recent literature. | | | | |
| Prerequisites for attending | Basic Modules <i>Mathematic for Economists</i> and <i>Microeconomics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | seminar | | 2 hrs per week | (c) 30 (s) 195 | |
| Examination(s) | Type of Examination | | Grades | | |
| | presentation and term paper or essay | | presentation 40% term paper/essay 60% | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Topics in Macroeconomics and Public Economics | | | |  UNIVERSITÄT BONN | |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332121008 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle summer and/or winter semester | |
| Module Abbreviation | MA ECON AM ERS TOPMPE | | | | |
| Responsible Faculty Member | Prof. Dr. Christian Bayer | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics Study Field: Economic Research | | Advanced Module | 2nd/3rd | |
| Learning Outcomes | Participants learn to read technically and conceptually demanding original literature and to present the results to other participants. If participants encounter difficulties in understanding details of the literature, they must learn to narrow down the problem and to formulate exact questions. The course prepares students to do independent research and to participate in the joint research activities of the Economics Department. | | | | |
| Key Skills | | | | | |
| Learning Content | This course covers current research topics in Macroeconomics and Public Economics, including original results obtained within the joint research activities of the Economics Department of Bonn University as well as related topics from the recent literature. | | | | |
| Prerequisites for attending | Basic Modules <i>Mathematic for Economists</i> and <i>Macroeconomics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | seminar | | 2 hrs per week | (c) 30 (s) 195 | |
| Examination(s) | Type of Examination | | Grades | | |
| | presentation and term paper or essay | | presentation 40% term paper/essay 60% | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |


(c) contact time per semester / (s) self study per semester

| Topics in Management and Applied Microeconomics | | | |  UNIVERSITÄT BONN | |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Module Number 332122004 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle summer and/or winter semester | |
| Module Abbreviation | MA ECON AM ERS TOPMAM | | | | |
| Responsible Faculty Member | Prof. Dr. Matthias Kräkel | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | Character | Semester | |
| | Master of Science Economics | | Advanced Module | 2nd/3rd | |
| Learning Outcomes | Participants learn to read technically and conceptually demanding original literature and to present the results to other participants. If participants encounter difficulties in understanding details of the literature, they must learn to narrow down the problem and to formulate exact questions. The course prepares students to do independent research and to participate in the joint research activities of the Economics Department. | | | | |
| Key Skills | | | | | |
| Learning Content | This course covers current research topics in management and applied microeconomics, including original results obtained within the joint research activities of the Economics Department of Bonn University as well as related topics from the recent literature. | | | | |
| Prerequisites for attending | Basic Modules <i>Mathematic for Economists</i> and <i>Microeconomics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | Contact time | Workload [h] | |
| | seminar | | 2 hrs per week | (c) 30 (s) 195 | |
| Examination(s) | Type of Examination | | Grades | | |
| | presentation and term paper or essay | | presentation 40% term paper/essay 60% | | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |

(c) contact time per semester / (s) self study per semester

| Topics in Microeconomic Theory | | | |  UNIVERSITÄT BONN | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Module Number 332125034 | Workload 225 h | Credits 7,5 CP | Duration 1 Semester | Cycle summer and/or winter semester | |
| Module Abbreviation | MA ECON AM ERS TOPMIT | | | | |
| Responsible Faculty Member | Prof. Dr. Dezső Szalay | | | | |
| Institute | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Semester |
| | Master of Science Economics Study Field: Economic Research | | | Advanced Module | 2nd/3rd |
| Learning Outcomes | Participants learn to read technically and conceptually demanding original literature and to present the results to other participants. If participants encounter difficulties in understanding details of the literature, they must learn to narrow down the problem and to formulate exact questions. The course prepares students to do independent research and to participate in the joint research activities of the Economics Department. | | | | |
| Key Skills | | | | | |
| Learning Content | This course covers current research topics in microeconomic theory, including original results obtained within the joint research activities of the Economics Department of Bonn University as well as related topics from the recent literature. | | | | |
| Prerequisites for attending | Basic Modules <i>Mathematic for Economists</i> and <i>Microeconomics</i> | | | | |
| Course Type | Lecture, Seminar, etc. | | | Contact time | Workload [h] |
| | seminar | | | 2 hrs per week | (c) 30 (s) 195 |
| Examination(s) | Type of Examination | | | Grades | |
| | presentation and term paper or essay | | | presentation 40% term paper/essay 60% | |
| Special Course Achievements | | | | | |
| Other | The recommended literature will be announced at the beginning of the course. | | | | |

(c) contact time per semester / (s) self study per semester

| | | | | | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------|----------------------|
| Master Thesis | | | |  UNIVERSITÄT BONN | |
| Module Number 332122010 | Workload 225 h | Credits 7,5 CP | Duration 1 Term | Cycle summer, winter term | |
| Responsible Faculty Member | Head of Examinations Committee | | | | |
| Department | Department of Economics | | | | |
| Degree Program/ Study Field | Title | | | Character | Study Term |
| | Master of Science Economics | | | Compulso | 4 th term |
| Learning Outcomes | Participants must show that they are able to summarize, to compare to synthesize and to extend methodologically demanding economic literature. The text must be written in a concise form. Readers with economic training but no specialization in the field of the Master Thesis must be able to read and to understand the text. | | | | |
| Key Skills | | | | | |
| Content | The Master Thesis must rest on an intensive and thorough reading of selected papers of the economic literature, including a full understanding of the formal and methodological details. | | | | |
| Prerequisites for attending | | | | | |
| Course Type | Lecture, Tutorial, etc. | | | Contact time | Workload [h] |
| | lecture | | | 4 hrs per week | (c) 60 (s) 165 |
| Examination(s) | Type of Examination | | | Grades | |
| | Written academic paper; max. 40 pages within 4 months | | | yes | |
| Special Course Achievements | | | | | |
| Other | | | | | |

(c) = contact time per term / (s) self study per term