

# Modulkatalog Wintersemester 23/24

## M.Sc. International Economics and Business



**Änderungen vorbehalten**

**Änderungen werden ggf. zunächst nur auf der Fakultätswebsite kommuniziert und nicht umgehend in den Katalog eingetragen.**

Prüfungs- und Modulnummern beinhalten Platzhalter aufgrund der aktuellen Umstellung auf die neue Prüfungs- und Modulnummern-Logik.

## Inhalt

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MODULZUORDNUNG .....	4
BEGRIFFSBESTIMMUNGEN .....	7
PRÄAMBEL.....	8
MODULE.....	9
<b>MODULGRUPPE A: CORE COURSES .....</b>	<b>9</b>
<i>Econometric Methods</i> .....	9
<i>Natural and Field Experiments</i> .....	11
<i>Fundamentals of International Trade</i> .....	13
<i>Micro Development Economics</i> .....	15
<i>Advanced Macroeconomics</i> .....	18
<i>Advanced Microeconomics (Game Theory)</i> .....	20
<b>MODULGRUPPE B: ADVANCED METHODS.....</b>	<b>22</b>
<i>Topics in Applied Econometrics</i> .....	22
<i>Multivariate Verfahren/Paneldatenanalyse (deutschsprachig)</i> .....	24
<i>Fundamentals of Business Analytics</i> .....	26
<i>Seminar Applied Statistics</i> .....	28
<i>Advanced Data Analytics</i> .....	30
<i>Computational Statistics – Regression in R</i> .....	32
<i>Computational Statistics – Statistical Learning in R</i> .....	34
<i>Behavioral Game Theory</i> .....	36
<i>Experimental Economics (Own Experiment / Experiment in Group)</i> .....	38
<i>Lectures in Advanced Methods 1</i> .....	40
<b>MODULGRUPPE C: GLOBAL ECONOMY, INTERNATIONAL TRADE, AND FINANCE .....</b>	<b>42</b>
<i>Advanced International Trade</i> .....	42
<i>The Empirics of International Trade</i> .....	44
<i>Recent Topics in International Trade</i> .....	46
<i>International Monetary Economics</i> .....	48
<i>Seminar Advanced Macroeconomics</i> .....	50
<i>Neue Standorttheorien - Regional- und Stadtökonomik in Theorie und Praxis</i> .....	52
<i>Advanced Corporate Finance 1</i> .....	54
<i>Seminar Advanced Corporate Finance</i> .....	56
<i>Lectures in Advanced International Economics 1</i> .....	58
<b>MODULGRUPPE D: GOVERNANCE, INSTITUTIONS AND DEVELOPMENT .....</b>	<b>60</b>
<i>Evaluation of Development Policies</i> .....	60
<i>Economics of Corruption</i> .....	62
<i>Population Economics</i> .....	64
<i>Behavioral Public Economics</i> .....	66
<i>Seminar in Public Economics</i> .....	68
<i>Economics of Education</i> .....	70
<i>Economics of Crime</i> .....	72
<i>Health, Development and Public Policy</i> .....	74
<i>Growth, Inequality and Poverty</i> .....	76
<i>Seminar in Development Economics</i> .....	79
<b>MODULGRUPPE E: BUSINESS .....</b>	<b>81</b>
<i>Organization Theory and Sustainable Leadership</i> .....	81
<i>Organizational and Competitive Strategy</i> .....	83
<i>Managing and Leading Strategic Innovation and Change</i> .....	85
<i>International Accounting</i> .....	87

<i>Reporting of Digital Business Models</i> .....	89
<i>Advanced International Accounting</i> .....	91
<i>Electronic Markets</i> .....	93
<i>Organizational Behavior</i> .....	95
<i>Financial Statement Analysis</i> .....	97
<i>International Cooperation and Networks</i> .....	99

## Modulzuordnung

### Modulgruppe A: Core Courses

MRIEB20232-XX-M1	Econometric Methods	WiSe
MRIEB20232-03-12-M2	Natural and Field Experiments	WiSe
MRIEB20232-03-12-M3	Fundamentals of International Trade	WiSe
MRIEB20232-03-12-M4	Micro Development Economics	WiSe
MRIEB20232-03-12-M5	Advanced Macroeconomics	WiSe
MRIEB20232-XX-M6	Advanced Microeconomics (Game Theory)	WiSe

### Modulgruppe B: Advanced Methods

MRIEB20232-03-13-M7	Topics in Applied Econometrics	SoSe
MRIEB20232-XX-M16	Multivariate Verfahren/Paneldatenanalyse (deutschsprachig)	WiSe
MRIEB20232-XX-M17	Fundamentals of Business Analytics	SoSe + WiSe
MRIEB20232-XX-M18	Seminar Applied Statistics	SoSe
MRIEB20232-03-13-M8	Advanced Data Analytics	WiSe
MRIEB20232-XX-M9	Computational Statistics – Regression in R	SoSe + WiSe
MRIEB20232-XX-M10	Computational Statistics – Statistical Learning in R	SoSe + WiSe
MRIEB20232-XX-M11	Behavioral Game Theory	WiSe
MRIEB20232-XX-M12	Experimental Economics (Own Experiment)	SoSe
MRIEB20232-XX-M13	Experimental Economics (Experiment in Group)	SoSe
MRIEB20232-XX-M14	Lectures in Advanced Methods 1	SoSe + WiSe
MRIEB20232-XX-M15	Lectures in Advanced Methods 2	Tba

### Modulgruppe C: Global Economy, International Trade, and Finance

MRIEB20232-03-12-M19	Advanced International Trade	SoSe
MRIEB20232-03-12-M28	The Empirics of International Trade	Unregelmäßig
MRIEB20232-03-12-M29	Recent Topics in International Trade	Unregelmäßig
MRIEB20232-03-12-M20	International Monetary Economics	SoSe
MRIEB20232-XX-M21	Seminar Advanced Macroeconomics	SoSe
MRIEB20232-XX-M22	Neue Standorttheorien - Regional- und Stadtökonomik in Theorie und Praxis	WiSe
MRIEB20232-XX-M23	Advanced Corporate Finance 1	WiSe
MRIEB20232-XX-M24	Advanced Corporate Finance 2	Tba
MRIEB20232-XX-M25	Seminar Advanced Corporate Finance	SoSe + WiSe

MRIEB20232-XX-M26	Lectures in Advanced International Economics 1	Unregelmäßig
MRIEB20232-XX-M27	Lectures in Advanced International Economics 2	Tba

### Modulgruppe D: Governance, Institutions and Development

MRIEB20232-03-12-M30	Evaluation of Development Policies	SoSe
MRIEB20232-03-12-M39	Economics of Corruption	Unregelmäßig
MRIEB20232-03-12-M40	Population Economics	SoSe
MRIEB20232-03-12-M41	Behavioral Public Economics	WiSe
MRIEB20232-XX-M31	Seminar in Public Economics	WiSe
MRIEB20232-03-12-M32	Economics of Education	SoSe
MRIEB20232-XX-M33	Economics of Crime	SoSe
MRIEB20232-03-12-M34	Health, Development and Public Policy	SoSe
MRIEB20232-03-12-M35	Growth, Inequality and Poverty	WiSe
MRIEB20232-XX-M36	Seminar in Development Economics	SoSe
MRIEB20232-XX-M37	Lectures in Governance, Institutions and Development 1	Tba
MRIEB20232-XX-M38	Lectures in Governance, Institutions and Development 2	Tba

### Modulgruppe E: Business

MRIEB20232-02-11-M42	Organization Theory and Sustainable Leadership	SoSe
MRIEB20232-03-11-M51	Organizational and Competitive Strategy	WiSe
MRIEB20232-03-11-M52	Managing and Leading Strategic Innovation and Change	SoSe
MRIEB20232-03-11-M53	International Accounting	WiSe
MRIEB20232-03-11-M43	Reporting of Digital Business Models	SoSe
MRIEB20232-03-11-M44	Advanced International Accounting	SoSe
MRIEB20232-XX-M45	Telecommunications Management	-
MRIEB20232-XX-M46	Electronic Markets	WiSe
MRIEB20232-XX-M47	Organizational Behavior	SoSe
MRIEB20232-03-11-M48	Financial Statement Analysis	WiSe
MRIEB20232-03-11-M49	International Cooperation and Networks	WiSe
MRIEB20232-XX-M50	Lectures in Advanced Business Administration	Tba

### Modulgruppe F: Wirtschaftsfremdsprache

Es kann jede vom Sprachenzentrum angebotene Fremdsprache gewählt werden. In Englisch, Französisch und Spanisch (Wirtschaftsfremdsprache) sind Vorkenntnisse nachzuweisen, die mindestens zum Besuch der FFA Hauptstufe 1 (Niveaustufe C1 GER) berechtigen. Ist im Rahmen eines ersten Hochschulabschlusses eine höhere Niveaustufe in der entsprechenden Wirtschaftsfremdsprache nachgewiesen, so ist die FFA Hauptstufe 2 (Niveaustufe C2 GER) zu wählen. In allen anderen Sprachen sind Vorkenntnisse nachzuweisen, die zum Besuch der FFA Aufbaustufe berechtigen. Werden höhere Vorkenntnisse nachgewiesen, so ist die auf diesen Vorkenntnissen aufbauende Stufe zu besuchen.

### Modulgruppe G: Interdisziplinäre Module

Diese Modulgruppe umfasst Veranstaltungen anderer Fakultäten zu Fortgeschrittenen Methoden, Globalisierung, Internationaler Handel, Finanzen, Entwicklung, Institutionen und Governance. Studierende erlernen Theorien und wenden Methoden aus dem Blickwinkel einer anderen Fakultät an, um ihre Veranstaltungen aus den Modulgruppen A bis D synergetisch zu ergänzen. Im Modulkatalog können weitere Module angeboten werden, sofern diese hinsichtlich des Lehrinhalts und der Lernziele zum Erwerb der gemäß Sätze 1 und 2 zu erwerbenden Kompetenzen geeignet sind. Die Veranstaltungen gemäß Satz 3 werden spätestens zu Beginn des jeweiligen Semesters im Modulkatalog bekannt gemacht.

MRIEB2 0232- XX-M54	Interdisziplinäre Vertiefung 1
MRIEB2 0232- XX-M55	Interdisziplinäre Vertiefung 2
MRIEB2 0232- XX-M56	Interdisziplinäres Hauptseminar

## **Begriffsbestimmungen**

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In den kommenden Bestimmungen werden folgende Abkürzungen verwendet:

<b>FFA</b>	<b>=</b>	<b>Fachspezifische Fremdsprachenausbildung</b>
<b>FFP</b>	<b>=</b>	<b>Fachspezifische Fremdsprachenprüfung</b>
<b>h</b>	<b>=</b>	<b>Stunden</b>
<b>LP</b>	<b>=</b>	<b>Leistungspunkte nach dem European Credit Transfer System</b>
<b>SE</b>	<b>=</b>	<b>Seminar</b>
<b>SWS</b>	<b>=</b>	<b>Semesterwochenstunden</b>
<b>Ü</b>	<b>=</b>	<b>Übung</b>
<b>V</b>	<b>=</b>	<b>Vorlesung</b>
<b>WÜ</b>	<b>=</b>	<b>Wissenschaftliche Übung.</b>

## Präambel

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### **Workload-Berechnung:**

Die Zuordnung von Leistungspunkten geht von der Arbeitsbelastung eines oder einer durchschnittlichen Studierenden aus. Ein Leistungspunkt entspricht in diesem Rahmen ca. 30 Arbeitsstunden. Dieser Durchschnitt wird im vorliegenden Studiengang einheitlich für alle Fächer und Lehrveranstaltungstypen angenommen.

Da die hochschulpolitische und die allgemeinpolitische Diskussion um den Bologna-Prozess gezeigt hat, dass die modularisierten Studiengänge im Allgemeinen als verschult und unwissenschaftlich wahrgenommen werden, haben wir uns im Rahmen dieses Modells für eine relativ hohe Bepunktung entschieden, im Vertrauen auf die Fähigkeit unserer Studierenden, die Freiheit zum selbständigen Lernen gut zu nutzen.

Die konzeptionelle Philosophie der Wirtschaftswissenschaftlichen Fakultät der Universität Passau hat zwei Schwerpunkte: Klar und möglichst einfach strukturierte Studiengänge und große Freiheit zur selbständigen Arbeit. Das bedeutet ein einfach nachvollziehbares Punkte-Schema für alle Lehrveranstaltungstypen, je nach deren Semesterwochenstunden und insgesamten Workload (5 ECTS-LP für V+Ü, 7 ECTS-LP für Masterseminare). Die Veranstaltungen an der Wirtschaftswissenschaftlichen Fakultät sind so konzipiert, dass der größere Teil des Workloads auf die Eigenarbeit der Studierenden entfällt. Diese Eigenarbeit ist bei der Vor- und Nachbereitung von Lehrveranstaltungen zu erbringen.

### **Prüfende:**

Die in diesem Modulkatalog genannten Modulverantwortlichen sind auch Prüferinnen und Prüfer der von ihnen verantworteten Module.

### **Anwesenheitspflicht:**

Grundsätzlich besteht keine Anwesenheitspflicht. Bei Seminaren und Workshops gilt dagegen in der Regel regelmäßige Anwesenheitspflicht. Abweichungen entnehmen Sie bitte den Angaben in Stud-IP.

### **Wiederholungsmöglichkeit:**

Prüfungsmodule können gem. der Fachstudien- und Prüfungsordnung des Masterstudiengangs „International Economics and Business“ wiederholt werden.

### **Seminare:**

Grundsätzlich bieten Lehrstühle regelmäßig Seminare an. Allerdings gibt es auch Ausnahmen. Bitte beachten Sie dazu die Seminar-Ankündigungen auf den Webseiten der Lehrstühle.



## Module

### Modulgruppe A: Core Courses

#### Econometric Methods

<b>module number</b>
MRIEB20232-XX-M
<b>module title</b>
Econometric Methods (Lecture) and Econometric Methods (Tutorial)
<b>module coordinator</b>
Prof. Dr. Harry Haupt

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-001	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	1.

<b>Workload</b>
Lecture 2 SWS (28 h Contact hours and 28 h Self-study) and Tutorial 2 SWS (28 h Contact hours, 28 h Self-study). We are calculating with 15 semester weeks (Lecture, Tutorial and Exam). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe A: Core Courses
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Bachelor's level understanding of calculus and matrix algebra, introductory statistics including inferential methods, regression analysis, and testing methods. Basic knowledge of <i>R</i> statistical software is an advantage.
<b>obligatory requirements</b>
None
<b>language</b>
English

<b>Content</b>
This module provides an introduction into the core methods of modern econometrics at international standard master's level. The following content is covered: Regression analysis and estimation principles, econometric models, hypothesis testing in regression, exact and asymptotic inference, endogeneity, and heteroscedasticity.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully completed the module are able <ul style="list-style-type: none"> <li>• to give a systematic overview of the core principles of modern econometrics.</li> <li>• to understand regression estimation and inference methods and their basic interpretations</li> </ul>

<ul style="list-style-type: none"> <li>• to apply the acquired methods and principles to data-based problems.</li> <li>• to perform econometric analyses and will know the underlying mathematical assumptions and the corresponding statistical properties of important regression-based testing and estimation procedures.</li> <li>• to critically assess empirical results, identify potential pitfalls, falsify statements while quantifying the underlying uncertainty, and develop and interpret sound simple models.</li> </ul>
<b>teaching methods</b>
Interactive frontal teaching and discussion of the course content. Teaching of theoretical principles and illustration by examples in lecture and tutorial. Weekly (accessible) lecture and exercise materials and required literature. Some of the tutorials are hands-on using the open-source statistical software <i>R</i> .
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam or home performance assessment (60 minutes) or oral (online) exam, 100%.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<ul style="list-style-type: none"> <li>- Hansen, B. (2021), Econometrics. <a href="http://www.ssc.wisc.edu/~bhansen/econometrics/">http://www.ssc.wisc.edu/~bhansen/econometrics/</a></li> <li>- Davidson, R. &amp; J.G. MacKinnon (2009), Econometric Theory and Methods, Oxford Univ. Press.</li> <li>- Stock J.H. &amp; M.M.Watson (2019) Introduction to Econometrics. 4e. Pearson.</li> <li>- Angrist J.D. &amp; J.S. Pischke (2009) Mostly Harmless Econometrics. Princeton Univ. Press.</li> </ul>
<b>additional notes</b>

## Natural and Field Experiments

<b>module number</b>
MRIEB20232-03-12-M2
<b>module title</b>
Natural and Field Experiments
<b>module coordinator</b>
Prof. Dr. Stefan Bauernschuster, Geske Rolvering

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-002	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>Workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Uebung 2 SWS (30 hours class instruction; 45 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe A: Core Courses
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According § 3 of the Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Basic knowledge in microeconomics and statistics/econometrics recommended
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
This course provides an introduction to applied microeconomic program evaluation and thereby creates a valuable basis for understanding a wide range of empirical work not only in economics but also in management, sociology, or political science. Understanding how specific policies/historical events/institutions affect human beings is at the very heart of empirical research in social sciences. Although these questions appear universally, the answers are complicated by the fact that the clean identification of cause and effect goes far beyond the demonstration of naive correlations. This course introduces empirical methods that explicitly aim at distinguishing naive correlation from actual causation. Among the methods discussed are fixed effects strategies, difference-in-differences approaches, instrumental variable techniques, regression discontinuity designs, and field experiments with random assignment to treatment. After a theoretical introduction to the respective methods, seminal empirical research papers applying these methods are discussed in detail. These

research papers improve our understanding of how we can apply microeconomic techniques to answer policy relevant questions in a causal way.
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in “Natural and Field Experiments” are able to</p> <ul style="list-style-type: none"> <li>• distinguish between naïve correlations and causal effects</li> <li>• recognize the importance of the clean identification of cause and effect for policy advice</li> <li>• understand microeconomic techniques tailored for estimating causal effects and explain their main features and key identifying assumptions</li> <li>• use this knowledge to critically evaluate the validity of the methods in a variety of applied empirical research papers and discuss them with their peers</li> <li>• apply quasi-experimental methods to sample data sets and perform microeconomic analyses using Stata</li> </ul>
<b>teaching methods</b>
<p>Classroom lecture with interactive elements (Vorlesung mit Seminarcharakter)</p> <p>Uebung with tutorials and student presentations</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100 % final exam (90 minutes) or portfolio
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
The lecture is in English; exam question can be answered in German

<b>Fundamentals of International Trade</b>
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<b>module number</b>
MRIEB20232-03-12-M3
<b>module title</b>
Fundamentals of International Trade
<b>module coordinator</b>
Prof. Dr. Sebastian Krautheim

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-003	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture: 2 SWS (30 hours of attendance and 45 hours of independent study time) Exercise class: 2 SWS (30 hours of attendance and 45 hours of independent study time)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe A: Core Courses
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Solid knowledge of undergraduate (Bachelor-level) Microeconomics is recommended.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
Both theoretical and empirical research on international trade has surged in the last two decades. All these recent developments are deeply rooted in two fundamental and analytically very tractable models of international trade like, for example, the basic two-country-two-goods Ricardian model and the model by Krugman (1980). One of the main objectives of this module will be to put students in a position to solve such models analytically and to deepen their understanding of economic modeling in general. More recent state of the art models are covered on an intuitive basis. Standard empirical tools like, for example, gravity estimation are introduced in this module. Moreover, criteria for a critical evaluation of models in economics are developed.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in the module "Fundamentals of International Trade" <ul style="list-style-type: none"> <li>explain the key quantitative patterns of international trade flows; assumptions and mechanics of some major fundamental theories of International Trade as well as the main features of theoretical and empirical gravity analysis.</li> </ul>

<ul style="list-style-type: none"> <li>• interpret recent developments in international trade flows in the light of these theories and how recent state-of-the-art models can better account for them.</li> <li>• perform, where appropriate, a complete analytical (algebraic) analysis (under autarky and trade) of the models' general equilibrium.</li> <li>• illustrate how the models can be used to make predictions on the effects of trade liberalizations as well as the introduction of impediments to trade like tariffs or non-tariff trade barriers.</li> <li>• assess pros and cons of different modeling assumptions as well as the appropriateness of different estimation approaches for the empirical analysis of international trade flows.</li> <li>• develop suggestions for the modification of the existing models to accommodate relevant issues as well as criteria for a critical evaluation of the models covered against the background of current debates.</li> </ul>
<b>teaching methods</b>
Lecture and exercise classes taught in English.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam, 90 min., 100%
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
This course provides the basis for further courses related to International Trade and Globalization like "The Empirics of International Trade" and "Advanced International Trade".

<b>Micro Development Economics</b>
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<b>module number</b>
MRIEB20232-03-12-M4
<b>module title</b>
Micro Development Economics
<b>module coordinator</b>
Prof. Dr. Michael Grimm

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-004	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
<p>Lecture 2 SWS (28 h Contact hours and 48 h Self study)</p> <p>Tutorial 2 SWS (24 h Contact hours and 24 h Self study)</p> <p>Exam Preparation (2 h Contact hours and 24 h Self study)</p> <p>We are calculating with 15 semester weeks (14 lecture + 1 examination week). Each SWS is included in the calculation with 60 minutes.</p>
<b>module applicability</b>
Modulgruppe A: Core Courses
<b>reference to the LPO I</b>
<b>recommended requirements</b>
An understanding of intermediate micro and macro-economics and basic econometrics is required. Prior knowledge in development economics is an advantage. Students without any prior knowledge in development economics may read the books by either Perkins (2012), Ray (1998) or Todaro and Smith (2006) (see course book for details).
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
<p>This course is motivated by the idea that development requires a transformation in economic processes and changes in the underlying micro structures of a country so that the development potential of a country may be released. Accordingly, the aim of this course is to study and analyse households, firms and institutions engaged in the process of economic development. The course will rely mainly on micro economic analysis to study the interactions between these various agents. The course is broadly conceived and will draw on material from neoclassical economics, institutional economics, and behavioural/experimental economics.</p> <p>The course will introduce students to current debates and research in the microeconomics of development and examine the role of market imperfections, market failure and non-market</p>

<p>institutions in shaping decisions. For example, the decision to attend school or to work may depend on credit constraints, the social and cultural environment in which households are located and investments made by the government in the availability and quality of schooling. The source of market imperfections, and the evolution of various non-market and governance institutions may in turn depend on various factors (e.g., history, location, factor endowments), which can help provide explanations of development or the lack of it.</p> <p>Current research in this area blends theoretical models and empirical application. Accordingly, the course will draw on both types of work and will be divided into three broader blocks.</p>
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the Module “Micro Development Economics”</p> <ul style="list-style-type: none"> <li>• understand the role of incentives and institutions in driving economic growth, reducing inequality and poverty, enhancing human development.</li> <li>• apply advanced micro-economic theory to real world problems of development.</li> <li>• assess and analyze the relevant economic and non-economic relations underlying the response of different agents such as individuals, households, firms, and government to processes of change.</li> <li>• explain various methods to test micro-economic models empirically.</li> <li>• interpret the findings from evaluations of targeted policy interventions and quasi-experiments.</li> </ul>
<b>teaching methods</b>
<p>This lecture is organised in a set of lectures and tutorials (Übungen). Students are explicitly invited to actively participate in the lecture through questions and input for discussion. In the tutorials students solve set problems in relation to the lecture. In addition, students are invited to indicate those parts of the course for which they need additional training. This may refer to a particular theoretical model, an empirical method or a certain debate in development politics. Readings are essential to prepare the class and the exam.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam 90 min
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
According to the degree program's StuPO
<b>reading list</b>
<p>General background readings:</p> <ul style="list-style-type: none"> <li>• Banerjee, A.V. and E. Duflo (2005), Growth Theory through the Lens of Development Economics. In Philippe Aghion and Steven Durlauf (eds.), Handbook of Economic Growth, edition 1, volume 1, chapter 7, pages 473-552 Elsevier. A working paper version can be downloaded at: <a href="http://papers.ssrn.com/sol3/papers.cfm?abstract_id=651483">http://papers.ssrn.com/sol3/papers.cfm?abstract_id=651483</a></li> <li>• Banerjee, A.V. and E. Duflo (2011), Poor Economics, Penguin Books.</li> <li>• Bardhan, P. and C. Udry (1999), Development Microeconomics. Oxford University Press: Oxford.</li> <li>• Basu K. (1997), Analytical Development Economics, Cambridge: MIT Press.</li> <li>• De Janvry, A. and E. Sadoulet (2016), Development Economics. Theory and Practice. Routledge, London.</li> <li>• Fafchamps, M. (2003), Rural Poverty, Risk and Development. Edward Elgar Publishing, Cheltenham.</li> <li>• Platteau, J.P. (2000), Institutions, social norms and economic development. Harwood Academic Publishers.</li> </ul>



- Perkins, D.H., S. Radelet, D.L. Lindauer and S.A. Block (2012), Economics of Development, Norton & Company.
- Ravallion, M. (2001), The Mystery of the Vanishing Benefits: An Introduction to Impact Evaluation.
- World Bank Economic Review 15 (1): 115-140. [Download: [http://www.eclac.cl/ilpes/noticias/paginas/2/40352/ravallion\\_\\_mystery\\_2001.pdf](http://www.eclac.cl/ilpes/noticias/paginas/2/40352/ravallion__mystery_2001.pdf) ]
- Ray D. (1998), Development Economics. Princeton University Press: Princeton.
- Todaro M.P. and S.C. Smith (2006), Economic Development. 9th edition (or newer), Pearson: Essex.
- "Economic Development" by Michael P. Todaro and Stephen C. Smith is available as an e-book in our university library. You can also use this direct link: <https://elibrary.pearson.de/book/99.150005/9781292291208>

**additional notes**

<b>Advanced Macroeconomics</b>
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<b>module number</b>
MRIEB20232-03-12-M5
<b>module title</b>
Advanced Macroeconomics
<b>module coordinator</b>
Prof. Dr. Johann Graf Lambsdorff

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-005	5	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture: 2 SWS, attendance time (in hours) = 30, working time (in hours) = 45. Tutorial: 2 SWS, attendance time (in hours) = 30, working time (in hours) = 45.
<b>module applicability</b>
Modulgruppe A: Core Courses
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in microeconomics and macroeconomics recommended.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
<p>The lecture presents state-of-the-art macroeconomic models based on micro-founded methods of dynamic optimization and pricing, related to Calvo pricing, the Phillips-curve, lifecycle consumption, the Taylor rule, the zero-lower bound and the term structure of the interest rate. It employs experimental games in class to detect behaviorally founded limitations to these models (higher-order beliefs, myopia ...). Students learn to analyze macroeconomies and related policies and to recommend policies for governments as well as financial investment decisions for the private sector.</p> <p>Table of Contents:</p> <ul style="list-style-type: none"> <li>• The Business Cycle</li> <li>• Monetary Policy</li> <li>• Fiscal Policy</li> <li>• Inflation and the Phillips Curve</li> <li>• The Term Structure of Interest Rates</li> <li>• Policy Failures and the Liquidity Trap</li> </ul>

<b>intended learning outcomes (ILOs)</b>
<p>Students who have participated in the module "Advanced Macroeconomics",</p> <ul style="list-style-type: none"> <li>• describe macroeconomic relationships between output, output gap, consumption, savings, investment, employment, inflation and interest rates at an advanced level,</li> <li>• use real-world data on these variables and interpret them in a macroeconomic context,</li> <li>• combine aggregates and interpret them within the framework of advanced formal mathematical models</li> <li>• evaluate the adequacy of current macroeconomic policy measures</li> <li>• theorize about the effects of shocks and economic policy measures at the frontier of current research,</li> <li>• produce recommendations for economic policy measures.</li> </ul>
<b>teaching methods</b>
<p>Lecture + Tutorial</p> <p>Classroom lecture with interactive elements. Students write 4 out of 5 (300-word) policy briefs during the semester, in which they apply the content of each chapter to a current topic in politics and finance.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
60 % final exam (60 minutes), 40% short policy briefs
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

**Advanced Microeconomics (Game Theory)**

<b>module number</b>
MRIEB20232-XX-M6
<b>module title</b>
Advanced Microeconomics
<b>module coordinator</b>
Dr. Aixa Maria Garcia-Ramos

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-006	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Exercise 2 SWS (30 hours class instruction; 45 hours self-study) Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe A: Core Courses
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According § 3 of the Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Basic knowledge in microeconomics and statistics/econometrics recommended
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
This course provides students with the core elements of microeconomic theory. We start by studying consumer theory including welfare evaluation. In this part of the module, we assume that choices result in perfectly certain outcomes. We relax this assumption in the second part of the course, when we analyse choice under uncertainty. We finally focus on game theory, where we apply what we learn in choice under uncertainty to the study of simultaneous- and dynamic-games. Although the focus of the course is theoretical, empirical applications of the models will also be discussed.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in this module are be able to <ul style="list-style-type: none"> <li>• demonstrate a comprehensive understanding of the key elements of microeconomic theory including the concepts, assumptions and mechanics of consumer theory, choice under uncertainty and game theory</li> <li>• comment critically on the limitations of these theories</li> <li>• assess how they can be applied to real-world situations</li> </ul>

<b>teaching methods</b>
Classroom lecture with interactive elements (Vorlesung mit Seminarcharakter) exercise with tutorials and student presentations
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100 % final exam (90 minutes)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
Lectures and tutorials are in English. Exam question must be answered in English.

**Modulgruppe B: Advanced Methods****Topics in Applied Econometrics**

<b>module number</b>
MRIEB20232-03-13-M7
<b>module title</b>
Topics in Applied Econometrics (Lecture) and Topics in Applied Econometrics (Tutorial)
<b>module coordinator</b>
Prof. Dr. Harry Haupt

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-13-VL-007	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	2./4.

<b>workload</b>
Lecture 2 SWS (28 h Contact hours and 28 h Self-study) and Tutorial 2 SWS (28 h Contact hours, 28 h Self-study). We are calculating with 15 semester weeks (Lecture, Tutorial and Exam). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
An understanding of introductory statistics including inferential methods and regression analysis and test methods on bachelor level. Basic knowledge of <i>R</i> statistical software is an advantage.
<b>obligatory requirements</b>
None
<b>language</b>
English

<b>content</b>
This module covers a selection (usually divided in three to four blocks) of fundamental research methods and techniques in applied econometrics. Topics included are: Maximum-Likelihood estimation and inference (for specification tests and various fields of microeconomic applications), advanced applications of least squares and GMM (for modeling heterogeneity and endogeneity in empirical practice), smoothing methods such as kernel and spline regression, robust inferential methods such as quantile regression and their interpretation, machine learning methods (and their applications in econometrics), and simulation-based methods (such as Bootstrap-, Monte Carlo-, and Bayesian techniques).
<b>intended learning outcomes (ILOs)</b>
Students who have successfully completed the module: <ul style="list-style-type: none"> <li>develop a basic understanding of some of the core methods of applied econometrics.</li> </ul>

<ul style="list-style-type: none"> <li>• are able to reflect the underlying elementary mathematical foundations and corresponding assumptions of estimation and inference for the covered techniques, while developing an awareness of potential pitfalls in empirical practice.</li> <li>• can implement the methods in the statistical software <i>R</i>, apply the methods to empirical datasets and are able to provide economic interpretations and critically reflect the modeling results.</li> </ul>
<b>teaching methods</b>
<p>Interactive frontal teaching and discussion of the course content. Teaching of theoretical principles and illustration by examples in lecture and tutorial. Weekly (accessible) lecture and exercise materials and required literature. Some of the tutorials are hands-on using the open-source statistical software <i>R</i>.</p> <p>Students are explicitly invited to play an active role in lectures and tutorials through questions and input for discussions. Additionally, students are invited to indicate those parts of the course for which they need additional training.</p> <p>Readings are essential to prepare the class and the exam.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Portfolio, consisting of two parts:</p> <ul style="list-style-type: none"> <li>• Part 1 (1/3): Short presentation of (a part of) a scientific paper or an application.</li> <li>• Part 2 (2/3): Oral (online) exam or performance assessment at home.</li> </ul>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

**Multivariate Verfahren/Paneldatenanalyse (deutschsprachig)**

<b>Modulnummer</b>
MRIEB20232- XX-M16
<b>Modultitel</b>
Multivariate Verfahren
<b>Modulverantwortliche/r Prüfer*innen</b>
PD Dr. Joachim Schnurbus

<b>Prüfungsnummer</b>	<b>ECTS</b>	<b>SWS</b>
XX-VL-016	5	4
<b>Modulangebot</b>	<b>Zeitdauer des Moduls</b>	<b>Empfohlenes Studiensemester</b>
Jedes Wintersemester	1 Semester	1 Semester

<b>Workload</b>
4 SWS Davon ca. 3 SWS Vorlesung, ca. 1 SWS Übung (60 St. Präsenzzeit und 90 St. Eigenarbeitszeit)  Es wird mit 15 Semesterwochen gerechnet (14 Vorlesungs- + 1 Prüfungswoche) und jede SWS geht mit 60 Minuten in die Berechnung ein.
<b>Verwendbarkeit</b>
Modulgruppe B: Advanced Methods
<b>Bezug zur LPO I</b>
<b>Empfohlene Voraussetzungen</b>
<b>Verpflichtende Voraussetzungen</b>
<b>Unterrichtssprache</b>
Deutsch

<b>Inhalt</b>
<p>Multivariate Verfahren sind ein wichtiger Bestandteil in der empirischen Forschungspraxis, unter anderem im Bereich der Marktforschung. In diesem Modul werden grundlegende Analysetechniken für multivariate Datenstrukturen sowie deren theoretische Fundierung behandelt.</p> <p>Neben einer Einführung in die Grundlagen multivariater Analysemethoden umfasst das Modul folgende Themengebiete:</p> <ul style="list-style-type: none"> <li>• Hauptkomponentenanalyse</li> <li>• Regressionsanalyse</li> <li>• Faktorenanalyse</li> <li>• Varianzanalyse</li> <li>• Diskriminanzanalyse</li> <li>• Clusteranalyse</li> </ul>



<b>Lernergebnisse Lernziele</b>
<p>Studierende, die erfolgreich an dem Modul teilgenommen haben,</p> <ul style="list-style-type: none"> <li>• sind in der Lage, Fragestellungen, Anwendungsfelder und Potenziale von multivariaten statistischen Verfahren zu erkennen. Sie verstehen die grundlegenden strukturentdeckenden Verfahren (wie Clusteranalyse) und grundlegenden strukturprüfenden Verfahren (wie Regressionsanalyse) und deren Annahmen.</li> <li>• können die Verfahren anwenden und kombinieren, sowie Modellschätzungen und Hypothesentests durchführen und analysieren.</li> <li>• können Berechnungen, die mit der Statistiksoftware R erzeugt wurden, reproduzieren und den zugehörigen R-Code interpretieren.</li> <li>• Sind in der Lage, empirische Ergebnisse kritisch zu bewerten und weiterführende Literatur zu den Verfahren zu verstehen und zu diskutieren.</li> </ul>
<b>Lehr- und Lernformen</b>
<p>Interaktiver Frontalunterricht und Diskussion von Lehrinhalten. Vermittlung der theoretischen Grundlagen und Illustration anhand von Beispielen in der Vorlesung und Übung. Berechnen und besprechen von Übungsaufgaben. Anwenden der Statistiksoftware R (R-Vorkenntnisse werden nicht vorausgesetzt). Barrierefreie Vorlesungs- und Übungsmaterialien, Pflichtliteratur sowie Software sind ab Kursstart verfügbar.</p>
<b>Anwesenheitspflicht</b>
<b>Prüfungsleistung (Prüfungsform, Umfang, Gewichtung)</b>
Klausur oder häusliche Leistungsfeststellung (60 Min.), oder mündliche (Online-)Prüfung. 100 %
<b>Gesamtnotenrelevanz</b>
<b>Wiederholungsmöglichkeit</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>Literatur</b>
<b>Weitere Hinweise</b>

<b>Fundamentals of Business Analytics</b>
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<b>module number</b>
MRIEB20232-XX-M17
<b>module title</b>
Fundamentals of Business Analytics
<b>module coordinator</b>
Prof. Dr. Alena Otto, Prof. Dr. Harry Haupt, Prof. Dr. Dirk Totzek, PD Dr. Joachim Schnurbus

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-017	5	5
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every semester	Block	1

<b>workload</b>
5 SWS (150h of own work)
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in quantitative methods at the level of a management-oriented or economics-oriented bachelor's degree
<b>obligatory requirements</b>
None
<b>language</b>
English

<b>content</b>
<p>Data Literacy (i.e., competencies in Data Analytics and Data-Driven Decision Making) and Mathematical Literacy (i.e., the fundamentals in Mathematics and Statistics) form a fundamental framework of modern management. These core competencies are refreshed and strengthened in this course. The course covers four subject areas:</p> <ol style="list-style-type: none"> <li>1) Fundamentals of Mathematics: <ul style="list-style-type: none"> <li>Sums, products, sets, linear equations, inequalities</li> <li>Calculus (functions, limits, derivatives and integration)</li> <li>Linear algebra (matrix algebra and systems of linear equations)</li> </ul> </li> <li>2) Fundamentals of Statistics <ul style="list-style-type: none"> <li>Random variables and stochastic modeling</li> <li>Estimation and test theory</li> <li>Regression modeling</li> </ul> </li> <li>3) Fundamentals of Management Science <ul style="list-style-type: none"> <li>Modeling of optimization problems</li> <li>Introduction to algorithms, heuristics and metaheuristics</li> <li>Linear programming</li> </ul> </li> </ol>

<p>4) Fundamentals of Empirical Research Methods</p> <ul style="list-style-type: none"> <li>Business research process</li> <li>Primary and secondary data collection methods</li> <li>Hypothesis testing</li> </ul>
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module "Fundamentals of Business Analytics" are able to</p> <ul style="list-style-type: none"> <li>identify appropriate quantitative methods to address questions and challenges in modern data-driven management,</li> <li>are able to reflect on the underlying elementary mathematical, statistical, optimization foundations and on the corresponding empirical research process,</li> <li>apply the methods and interpret the result from a management or economic perspective.</li> </ul>
<b>teaching methods</b>
<p>E-learning/online course with supporting live sessions</p> <p>Intensive block course at the beginning of the semester (~ 4 weeks)</p> <p>individual learning organization, based on knowledge and competencies identified in the placement test</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Portfolio examination. The final grade depends on the successful completion of e-assessments qualifying in all four subject areas of the course.</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
Online course

<b>Seminar Applied Statistics</b>
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<b>module number</b>
MRIEB20232-XX-M18
<b>module title</b>
Applied Statistics (Master Seminar)
<b>module coordinator</b>
Prof. Dr. Harry Haupt

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-SE-018	7	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	4th

<b>workload</b>
Seminar 2 SWS (30 hrs. attendance and 180 hrs. self-study). The calculation is based on 15 semester weeks and each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According to the study & examination regulations for the respective degree. Completion of courses in the field of statistics/mathematics/data science prior to the seminar is recommended.
<b>obligatory requirements</b>
None
<b>language</b>
English

<b>content</b>
The theoretical foundations and computer-based applications of statistical methods as well as the interpretation of the empirical results obtained is a core competence in various professional fields. In this module, these core competencies are trained and further developed by systematical deepening selected techniques of scientific work in the context of statistics and data analytics. The thematic focus of the seminar varies and covers a wide range of topics in theoretical and applied statistics and econometrics.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully completed the module "Applied Statistics (Master's Seminar)" are able <ul style="list-style-type: none"> <li>• to outline the state of the relevant scientific literature on their chosen topic.</li> <li>• to present the main results of their work taking into account general scientific aspects (e.g. scientific writing and presentation, literature research and handling of sources, time management, general organization of scientific work) as well as subject-specific aspects (e.g. design of data simulations, use of specific databases, journals and methods).</li> </ul>

<ul style="list-style-type: none"> <li>• to evaluate the advantages and disadvantages of the different approaches in the literature and how they contribute to a better understanding of the topic, using theoretical or empirical arguments.</li> <li>• to develop starting points for the introduction of novel issues and research questions into the literature at the frontier.</li> <li>• to conduct an analysis along their selected core literature and justify the focus and structure of the term paper and presentation.</li> </ul>
<b>teaching methods</b>
Seminar. Writing, presenting and discussing seminar paper.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Seminar paper with approximately 15 pages of text. Presentation of about 30 minutes, including 10 minutes discussion. Both performances enter the grade (seminar paper: 70%, presentation: 30%)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
Core literature depends on the thematic focus of the seminar and will be announced prior to the seminar. Students are expected to provide further literature.
<b>additional notes</b>

**Advanced Data Analytics**

<b>module number</b>
MRIEB20232-03-13-M8
<b>module title</b>
Advanced Data Analytics (Lecture) and Advanced Data Analytics (Tutorial)
<b>module coordinator</b>
Prof. Dr. Harry Haupt, Dr. Markus Fritsch

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-13-VL-008	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Usually every winter semester	1 semester; in winter term 2023/24 exceptionally as one block at the beginning of the semester	3.

<b>workload</b>
Lecture 2 SWS (28 h Contact hours and 28 h Self-study) and Tutorial 2 SWS (28 h Contact hours, 28 h Self-study). We are calculating with 15 semester weeks (Lecture, Tutorial, and Exam). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic understanding of calculus and matrix algebra, introductory statistics including inferential methods, regression analysis, and testing methods. Basic knowledge of statistical software <i>R</i> is an advantage.
<b>obligatory requirements</b>
None
<b>language</b>
English

<b>content</b>
This module covers key state of the art techniques in statistical learning/machine learning. The emphasis of the course is on techniques from supervised learning in the context of regression modeling. The following content is covered: Fundamental concepts (bias-variance trade-off, curse of dimensionality, flexibility vs. interpretability, resampling techniques), key building blocks (parametric polynomials, spline-regression, tree-based modeling), and frequently employed algorithms (lasso, backfitting, random forest, boosting). Prediction and inference are discussed. Selected applications are used to motivate the different algorithms.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully completed the module are able to <ul style="list-style-type: none"> <li>• explain and reflect the main principles and key assumptions of the covered techniques.</li> <li>• choose suitable and problem-adequate modeling approaches in the context of supervised learning.</li> </ul>

<ul style="list-style-type: none"> <li>• implement the approaches in the statistical software <i>R</i>.</li> <li>• develop and evaluate predictive models for particular applications.</li> <li>• interpret and critically assess the modeling results.</li> <li>• discuss selected considerations regarding inference for predictive models and implement the approaches.</li> </ul>
<b>teaching methods</b>
Interactive frontal teaching and discussion of the course content. Teaching of theoretical principles and illustration by examples in lecture and tutorial. Weekly (accessible) lecture and exercise materials and required literature. Some of the tutorials are hands-on using the open-source statistical software <i>R</i> . Students are explicitly invited to play an active role in lectures and tutorials through questions and input for discussions. Readings are essential to prepare the class and the exam.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam or home performance assessment (60 minutes) or oral (online) exam, 100%.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
All cours materials will be distributed via Stud.IP.
<b>additional notes</b>

**Computational Statistics – Regression in R**

<b>module number</b>
MRIEB20232-XX-M9
<b>module title</b>
Computational Statistics – Regression in R
<b>module coordinator</b>
PD Dr. Joachim Schnurbus

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-009	3	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester; if possible every semester	1 semester (or block course)	

<b>workload</b>
Computer lectures and exercises: 30 hrs. attendance and 60 hrs. self-study
The calculation is based on 15 semester weeks (14 lectures + 1 examination week) and each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
The course aims at students with a basic knowledge in statistics and complements some of the topics treated in 'Methods in Econometrics'.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
The course focuses on estimating and evaluating regression models with the statistical software <i>R</i> . Model evaluation procedures discussed in class range from graphical methods, classic validation techniques and tests to simulation-based approaches. The course includes model selection (i.e., finding the best model from a large number of possible models), model validation (i.e., checking whether the presumed best specification satisfies the model assumptions), and model interpretation (for linearly and/or nonlinearly transformed variables). Additionally, different data structures such as cross-sections, time series, and panel data are shortly discussed.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully passed the module: <ul style="list-style-type: none"> <li>• are able to perform and interpret a regression analysis in the statistical software <i>R</i>.</li> <li>• have the skill to select an appropriate statistical model, critically judge the validity of a model and in detail interpret the estimation results in order to provide decision support.</li> </ul>



<ul style="list-style-type: none"> <li>• are able to create Monte Carlo-simulations in order to perform a simulation-based assessment of statistical methods or models.</li> <li>• understand statistical tests and can select, apply, and interpret the appropriate tests in regression context.</li> </ul>
<b>teaching methods</b>
Interactive frontal teaching and discussion of the <i>R</i> -Codes. Exercises that are worked on independently in <i>R</i> and then discussed together. Students are expected to deepen their knowledge by completing self-contained <i>R</i> -exercises. Accessible lecture and exercise materials and required literature.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Exam or performance assessment at home (60 minutes) or portfolio, 100%. <i>R</i> -skills are certified via a certificate when the exam is passed.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

**Computational Statistics – Statistical Learning in R**

<b>module number</b>
MRIEB20232-XX-M10
<b>module title</b>
Computational Statistics – Statistical Learning in R
<b>module coordinator</b>
PD Dr. Joachim Schnurbus

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-010	3	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester, if possible every term.	1 semester	

<b>workload</b>
Computer lectures and exercises: 30 hrs. attendance and 60 hrs. self-study
The calculation is based on 15 semester weeks (14 lectures + 1 examination week) and each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
The course aims at students with a basic knowledge in statistics.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
Statistical Learning sums up methods from computational statistics that are designed to deal with high dimensional, complex large-scale data sets. Various topics that facilitate modeling of and gaining a deeper insight into these data sets are introduced. Supervised (classification and regression) and unsupervised statistical learning techniques (like neural nets, boosting, clustering) are presented, discussed, and applied. Further topics comprise preprocessing (transformation of variables), resampling (cross-validation, bootstrapping), meta-parameter selection, model evaluation.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully passed the module: <ul style="list-style-type: none"> <li>• are able to apply and interpret unsupervised and supervised learning methods in the statistical software <i>R</i>.</li> <li>• have the skill to select a problem-adequate statistical learning method, to configure and employ the corresponding <i>R</i>-functions, to critically judge the validity of the outcomes, and to interpret the results in order to provide decision support.</li> <li>• will be able to relate to recent literature on statistical learning</li> </ul>

<b>teaching methods</b>
Interactive frontal teaching and discussion of the <i>R</i> -Codes. Exercises that are worked on independently in <i>R</i> and then discussed together. Students are expected to deepen their knowledge by completing self-contained <i>R</i> -exercises. Accessible lecture and exercise materials and required literature.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Exam or performance assessment at home (60 minutes) or portfolio, 100%. <i>R</i> -skills are certified via a certificate when the exam is passed.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

**Behavioral Game Theory**

<b>module number</b>
MRIEB20232-XX-M11
<b>module title</b>
Behavioral Game Theory
<b>module coordinator</b>
Dr. Kevin Grubiak

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-011	5	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture: 4 SWS, attendance time (in hours) = 60, self-work time (in hours) = 90.
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Knowledge in (advanced) microeconomics and/or game theory recommended.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
The module analyses the influence of non-standard preferences (fairness, inequality and reciprocity) on human behavior by help of ultimatum and trust games. It introduces to non-standard decision-making and non-standard expectations in order to understand systematic errors in a variety of games, ranging from zero-sum games with mixed strategy equilibria, bargaining games, dominance-solvable games such as the beauty contest and dirty faces game, coordination games and the role of communication. The lecture will be given in English.
<b>intended learning outcomes (ILOs)</b>
Students who have participated in the module " Behavioral Game Theory", <ul style="list-style-type: none"> <li>• recognize standard concepts in game theory such as roles, stages, strategies, Nash equilibria, deletion of iteratively dominated strategies and mixed strategy equilibria</li> <li>• interpret non-standard types of preferences such as altruism, inequality aversion or reciprocity and non-standard types of expectations (such as level-k) or decision-making (such as present bias),</li> <li>• implement an experiment to be run in class, based on the relevant literature</li> <li>• test the outcomes from their experiments against pure game theoretic predictions and related findings from experiments,</li> </ul>

<ul style="list-style-type: none"> <li>relate variations in designs to an identification of behavioural drivers, produce their own presentation on their findings.</li> </ul>
<b>teaching methods</b>
Lecture with practical part. Students have to implement and present their own experiments.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Portfolio examination: Written final examination of 60 minutes (50 points). Presentation of 2 experiments in interactive form of about 30 minutes (50 points in total).
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.
<b>reading list</b>
<b>additional notes</b>

**Experimental Economics (Own Experiment / Experiment in Group)**

<b>module number</b>
MRIEB20232-XX-M12 / MRIEB20232-XX-M13
<b>module title</b>
Lab and Field Experiments: Corruption, Conflict & Cooperation
<b>module coordinator</b>
Prof. Dr. Johann Graf Lambsdorff, Dr. Katharina Werner

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-SE-012 / XX-SE-013	7 (group project) / 10 (individual)	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Class attendance time (in hours) = 60, out-of-class study time (in hours) = 240 (150 in case of a group work).
<b>module applicability</b>
Modulgruppe B: Advanced Methods
<b>reference to the LPO I</b>
<b>recommended requirements</b>
<b>obligatory requirements</b>
Behavioral Game Theory and / or Economics of Corruption
<b>language</b>
English

<b>content</b>
<b>intended learning outcomes (ILOs)</b>
Students who have participated in the module "Lab and Field Experiments: Corruption, Conflict & Cooperation", <ul style="list-style-type: none"> <li>• recognize experimental standards on anonymity, double blindness, incentives, deception and experimenter demand-effects,</li> <li>• compare the relevant literature to their own design,</li> <li>• program their own experiment and implement it in the lab or the field,</li> <li>• test the outcomes from their experiment against pure game theoretic predictions and related findings from other experiments,</li> <li>• combine a statistical analysis of their findings with a discussion of the literature, a description of their procedures and the hypotheses,</li> <li>• produce their own experimental research project and scientific paper.</li> </ul>

<b>teaching methods</b>
Seminar with own research project (experiment).
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100% report
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
According to the examination and study regulations for the master's program in International Economics and Business.
<b>reading list</b>
<b>additional notes</b>
Students can also run a group project. Groups of 2 (or in case of a reasonable and sound application even more) persons develop a joint idea for a research question. They design and run the experiment, analyze and present the data and write the seminar paper together. In the seminar paper, it must be clearly distinguishable which of the group members wrote which chapters. For such a group project, students receive 7 ECTS, because the workload per group member will be approximately 150 hours.

<b>Lectures in Advanced Methods 1</b>
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<b>Modulnummer</b>
MRIEB20232-XX-M14
<b>Modultitel</b>
Quantitative Methoden in Finance
<b>Modulverantwortliche/r Prüfer*innen</b>
Prof. Dr. Oliver Entrop

Prüfungsnummer	ECTS	SWS
XX-VL-014	5	2
Modulangebot	Zeitdauer des Moduls	Empfohlenes Studiensemester
Jedes Semester	1 Semester	1-3

<b>Workload</b>
Vorlesung 2 SWS (30 St. Präsenzzeit und 45 St. Eigenarbeitszeit) Übung 2 SWS (30 St. Präsenzzeit und 45 St. Eigenarbeitszeit)
<b>Verwendbarkeit</b>
Modulgruppe B: Advanced Methods
<b>Bezug zur LPO I</b>
<b>Empfohlene Voraussetzungen</b>
Einführungsmodul in Finance wird empfohlen; weitere (Bachelor-)Finance-Module von Vorteil. Ein vorheriger oder paralleler Besuch von „Financial Engineering und Strukturierte Finanzierung“ wird empfohlen. Solide Excel-Kenntnisse und Kenntnisse in Statistik und einem Statistikprogramm sind hilfreich.
<b>Verpflichtende Voraussetzungen</b>
Gem. § 3 der Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business.
<b>Unterrichtssprache</b>
Deutsch

<b>Inhalt</b>
<ul style="list-style-type: none"> <li>• Einführung in die empirische Analyse von Finanzdaten</li> <li>• Querschnitts-, Zeitreihen- und Panelregressionen in Stata</li> <li>• Logit- und Probit-Regressionen in Stata</li> <li>• Stata-Programmierung und -Automatisierung sowie erweiterte Befehle</li> <li>• Numerische Methoden in VBA</li> <li>• Bewertung von Derivaten mittels Simulation in VBA</li> </ul>
<b>Lernergebnisse Lernziele</b>
<p>Studierende, die an dem Modul erfolgreich teilgenommen haben,</p> <ul style="list-style-type: none"> <li>• erläutern und interpretieren zentrale quantitative Methoden, die sehr häufig in Finance und verwandten Gebieten zur Lösung betriebswirtschaftlicher Fragestellungen angewendet werden.</li> <li>• beurteilen Möglichkeiten und Grenzen der Methoden.</li> <li>• wenden die Methoden mit Hilfe von Stata und VBA zielorientiert an.</li> </ul>



<ul style="list-style-type: none"> <li>entwickeln aufbauend auf den Methoden Lösungskonzepte zur Beantwortung komplexer betriebswirtschaftlicher Fragestellungen.</li> </ul>
<b>Lehr- und Lernformen</b>
<p>Interaktiver Frontalunterricht  In der Übung werden direkt im Anschluss an die entsprechende Vorlesung die behandelten Konzepte an realen Datensätzen in Stata (1.Teil) oder realen Bewertungsfragestellungen in VBA (2.Teil) umgesetzt.</p>
<b>Anwesenheitspflicht</b>
<b>Prüfungsleistung (Prüfungsform, Umfang, Gewichtung)</b>
Klausur, 60 Minuten, 100 %
<b>Gesamtnotenrelevanz</b>
<b>Wiederholungsmöglichkeit</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>Literatur</b>
<b>Weitere Hinweise</b>

**Modulgruppe C: Global Economy, International Trade, and Finance****Advanced International Trade**

<b>module number</b>
MRIEB20232-03-12-M19
<b>module title</b>
Advanced International Trade
<b>module coordinator</b>
Prof. Dr. Sebastian Krautheim

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-019	5	2
<b>Availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>Workload</b>
Lecture: 2 SWS (30 hours of attendance and 45 hours of independent study time) Exercise class: 2 SWS (30 hours of attendance and 45 hours of independent study time)  Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 week courses + 1 week exam.
<b>module applicability</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Having completed the course "Fundamentals of International Trade" is highly recommended. Otherwise a good knowledge of the two-countries-two-goods Ricardian model as well as the Krugman (1980) model is needed to follow the course.
<b>obligatory requirements</b>
<b>language</b>
English

<b>Content</b>
Over the last two decades, academic research on international trade, foreign direct investment (FDI), outsourcing and trade policy has been booming. This literature is at the core of this module. Possible topics may include among others: <ol style="list-style-type: none"> <li>1. International trade and firm heterogeneity (Melitz 2003, Chaney 2008)</li> <li>2. The international organization of production (Antràs 2003)</li> <li>3. International Trade, Global Sourcing and International NGO activity</li> <li>4. Foundations for quantitative trade analysis: Eaton and Kortum (2002)</li> <li>5. Into the machine room of our models – the CES price index</li> </ol>

6. Trade Policy and Identity Politics: how to make sense of political support for Trump's trade policy (Grossman and Helpman 2021)
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module "Advanced International Trade "</p> <ul style="list-style-type: none"> <li>• explain assumptions, mechanics and key innovations of the seminal contributions providing the basis for state-of-the-art research in International Trade.</li> <li>• describe relationships between these models and their academic "ancestors" and the recent empirical findings these models can accommodate.</li> <li>• perform, where appropriate, a complete analytical (algebraic) analysis (under autarky and trade) of the models' general equilibrium.</li> <li>• illustrate how the models can be used to make predictions on the effects of trade liberalizations as well as the introduction of impediments to trade like tariffs or non-tariff trade barriers.</li> <li>• assess pros and cons of different modelling assumptions as well as the appropriateness of different estimation approaches for the empirical analysis of international trade flows.</li> <li>• develop starting points for the introduction of novel issues and research questions into the literature at the frontier.</li> </ul>
<b>teaching methods</b>
Lectures and exercise classes taught in English.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam, 90 min., 100%
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

## The Empirics of International Trade

<b>module number</b>
MRIEB20232-03-12-M28
<b>module title</b>
The Empirics of International Trade
<b>module coordinator</b>
Dr. Davide Sala

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-028	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Irregular	1 semester	

<b>Workload</b>
Lecture: 2 SWS (30 hours of attendance and 45 hours of independent study time) Exercise class: 2 SWS (30 hours of attendance and 45 hours of independent study time)  Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 week courses + 1 week exam.
<b>module applicability</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Knowledge of microeconomics, international economics, and econometrics (bachelor level) is highly desirable. Knowledge of microeconometrics or international trade theories (e.g., from the course "Fundamentals of International Trade") is an asset (but not required).
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
Trade in commodities or final goods is today only a minimal part of international trade. The bulk of international trade is actually made of intermediate parts, components, and services exchanged along international global value chains.  This course encompasses some of these aspects (trade in value added, outsourcing, GVCs, FDI, partnerships), which find little coverage in basic trade classes, but characterize a modern and globalized economy. The focus lies on issues that animate the public debate (mapping GVCs, the impact of outsourcing on jobs and wages, FDI motives ...).  A second part of the course is dedicated to one of the most robust empirical finding in economics, the <i>gravity equation</i> , which, for this reason, has also become the workhorse tool to investigate the

<p>effects of trade policy and regional economic integration. Article headings like “Can <i>Brexit</i> defy gravity?” will suddenly make sense ...</p> <p>A detailed syllabus of the class containing the course structure and the readings for the course will be handed out to students at the beginning of the semester in the classroom (and StudIP).</p>
<b>intended learning outcomes (ILOs)</b>
<p>Students who successfully participated in the module “The Empirics of International Trade”</p> <ul style="list-style-type: none"> <li>• define and describe modern features of a trading economy (e.g., trading components, GVCs, FDI).</li> <li>• express an empirical question (e.g., economic effects of outsourcing)</li> <li>• Interpret the empirical findings.</li> <li>• recognize an empirical methodology (e.g., OLS, IV and “matching” estimation methods)</li> <li>• appraise problems in bringing theory to the data</li> <li>• synthesize critically the literature</li> <li>• compare and justify different empirical approaches</li> </ul>
<b>teaching methods</b>
Lectures and exercise classes taught in English. Discussion of papers and introduction of empirical estimation methods.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam, 90min, 100%
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

<b>Recent Topics in International Trade</b>
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<b>module number</b>
MRIEB20232-03-12-M29
<b>module title</b>
Recent Topics in International Trade
<b>module coordinator</b>
Prof. Dr. Sebastian Krautheim

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-SE-029	7	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Irregular	1 semester	

<b>workload</b>
Seminar: 2 SWS (30 hours of attendance and 180 hours of independent study time)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Solid knowledge of undergraduate (Bachelor-level) Microeconomics and Macroeconomics is recommended. Besides, students should have basic knowledge of International Economics, for example from the course "Fundamentals of International Trade". Knowledge from "Advanced International Trade" is an advantage, but not required.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
This seminar covers different topics in the fields of international trade, international macroeconomics, international organization of production, trade policy, identity politics and globalization backlash.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in the module "Recent Topics in International Trade" <ul style="list-style-type: none"> <li>• describe the principles of good scientific practice as well as strategies for academic writing.</li> <li>• outline the state of the literature that relates to their specific topic.</li> <li>• present the main results of their work in a term paper and an oral presentation including the relation to findings in the literature.</li> <li>• perform, where appropriate, an analysis along the lines of a specific paper (depending on the topic this may be on an intuitive level or a graphical, algebraic or empirical analysis).</li> <li>• justify the exact focus and structure chosen for the term paper and the presentation.</li> </ul>

<ul style="list-style-type: none"> <li>• assess pros and cons of different approaches in the literature and how they contribute to a better understanding of the topic and, where appropriate, to academic or policy debates.</li> <li>• develop and explore starting points for the introduction of novel issues and research questions into the literature at the frontier.</li> </ul>
<b>teaching methods</b>
<ul style="list-style-type: none"> <li>• Seminar meetings and discussions.</li> <li>• Advice and feedback on the term paper and the final presentation.</li> <li>• The seminar will be held in English (term paper, presentation, discussion, literature).</li> </ul>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Students write a term paper on a topic that is assigned at the beginning of the seminar. The term paper should have 8–12 pages (13000–15600 characters). Besides, students present their work in the seminar and engage in discussions.</p> <p>Portfolio: The final grade consists of</p> <ul style="list-style-type: none"> <li>• 50% term paper</li> <li>• 50% final presentation</li> </ul>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>

<b>International Monetary Economics</b>
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<b>module number</b>
MRIEB20232-03-12-M20
<b>module title</b>
International Monetary Economics (Monetäre Außenwirtschaft)
<b>module coordinator</b>
Prof. Dr. Johann Graf Lambsdorff

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-020	5	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Lecture: 2 SWS, presence time (in hours) = 30, own working time (in hours) = 45. Exercise: 2 SWS, presence time (in hrs.) = 30, own working time (in hrs.) = 45.
<b>module applicability</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>reference to the LPO I</b>
<b>recommended requirements</b>
During the first six weeks, the lecture will cover material that is relevant for the seminar "Advanced Macroeconomics". This enables participants to participate in the seminar during the same semester.
<b>obligatory requirements</b>
Knowledge of microeconomics and macroeconomics from an undergraduate degree or equivalent.
<b>language</b>
English

<b>content</b>
Starting with the balance of payments and models of purchasing power parity, interest rate parity, foreign exchange market and a Keynesian consensus model of an open economy, the effects of economic policy measures and disturbances are examined under constant and variable inflation. Various exchange rate regimes are addressed, overshooting, original sin, credit risk, and international financial architecture issues. The possible failure of the interest rate parity is explained using various approaches. The models are enriched by case studies, interactive classroom games using classEx and empirical methods..
<b>intended learning outcomes (ILOs)</b>
Students who have participated in the module "International Monetary Economics", <ul style="list-style-type: none"> <li>• reproduce macroeconomic relationships between current account, purchasing power, exchange rates, interest rates, output gap, inflation and interest rates at an advanced level,</li> <li>• interpret international transactions in the area of monetary economics,</li> <li>• perform state-of-the-art experiments to understand models on exchange rates and interest rates,</li> <li>• evaluate the role of international institutions and their impact on international flows of money and goods,</li> </ul>



<ul style="list-style-type: none"> <li>• combine models on the closed economy with international influences on interest rates, exchange rates and inflation to obtain an integrated model-based understanding at the frontier of current research,</li> <li>• produce a critical viewpoint on international institutions such as the IMF</li> </ul>
<b>teaching methods</b>
Lecture with tutorial. The tutorial embraces assignments and case studies. With the help of classEx interactive teaching forms are integrated.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100% written exam (90 minutes)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.
<b>reading list</b>
<b>additional notes</b>

**Seminar Advanced Macroeconomics**

<b>module number</b>
MRIEB20232-XX-M21
<b>module title</b>
Seminar: Advances Macroeconomics
<b>module coordinator</b>
Prof. Dr. Johann Graf Lambsdorff

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-SE-021	7	3
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Seminar: 3 SWS, attendance time (in hours) = 30, own working time (in hours) = 180.
<b>module applicability</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>reference to the LPO I</b>
<b>recommended requirements</b>
<b>obligatory requirements</b>
Attendance of the lectures Advanced Macroeconomics and International Monetary Economics.
<b>language</b>
English

<b>content</b>
This seminar addresses current macroeconomic challenges related to central bank policy, fiscal policy, interest rate structure, the business cycle, inflation dynamics, exchange rate parity, interest rate parity and exchange rate policies. Based on this, forecasts and investment decisions are inferred for the private sector.
<b>intended learning outcomes (ILOs)</b>
<p>Students who have participated in the seminar "Advanced Macroeconomics",</p> <ul style="list-style-type: none"> <li>• explain self-retrieved macroeconomic data on output, output gap, consumption, savings, investment, employment, inflation, interest rates, current account, exchange rates, inflation or interest rates,</li> <li>• interpret national and international transactions in the area of monetary economics,</li> <li>• elaborate on recommendations to policymakers for stabilization policies or to private actors on investment opportunities in light of current economic challenges,</li> <li>• evaluate their recommendations in light of adequate macroeconomic models and theories,</li> <li>• compose their own policy brief in a style that is informative to policymakers or investors at the frontier of current research,</li> <li>• produce a position that illuminates the shortcomings and inadequacies in market expectations or prevailing media narratives.</li> </ul>

<b>teaching methods</b>
Seminar
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Students have to write 2 "policy briefs" of 5000 characters each and contribute to the seminar discussions. In group work, they have to create a 3-minute video on one of the previous policy briefs.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.
<b>reading list</b>
<b>additional notes</b>

**Neue Standorttheorien - Regional- und Stadtökonomik in Theorie und Praxis**

<b>Modulnummer</b>
MRIEB20232-XX-M22
<b>Modultitel</b>
Standorttheorien - Regional- und Stadtökonomik in Theorie und Praxis
<b>Modulverantwortliche/r Prüfer*innen</b>
Dr. Oliver Farhauer

<b>Prüfungsnummer</b>	<b>ECTS</b>	<b>SWS</b>
XX-VL-022	5	4
<b>Modulangebot</b>	<b>Zeitdauer des Moduls</b>	<b>Empfohlenes Studiensemester</b>
jedes Wintersemester	1 Semester	1 oder 3 Semester

<b>Workload</b>
60 h Kontaktstudium, 90 h Selbststudium
<b>Verwendbarkeit</b>
Modulgruppe C: Global Economy, International Trade and Finance
<b>Bezug zur LPO I</b>
<b>Empfohlene Voraussetzungen</b>
Gute mikroökonomische Grundkenntnisse
<b>Verpflichtende Voraussetzungen</b>
<b>Unterrichtssprache</b>
Deutsch

<b>Inhalt</b>
In der Veranstaltung werden sowohl traditionelle als auch neuere und neueste Theorien zur Standortwahl vorgestellt. Die traditionellen Standorttheorien umfassen die klassische Standortlehre, die Agglomerationsökonomik sowie die Untersuchung der Effekte unterschiedlicher Branchenstrukturen auf eine Stadt oder Region. Daneben werden neuere Ansätze wie die Cluster- und Netzwerktheorie von Michael Porter und neueste Erklärungsmodelle wie die Neue Ökonomische Geographie und die Theorie der Kreativen Klasse präsentiert. Sie alle machen Gründe für die räumliche Ballung wirtschaftlicher Aktivität anschaulich. Von Interesse ist aber auch die Entwicklung von Regionen und Ballungsgebieten. Deshalb werden ebenfalls Theorien zu regionaler Entwicklung und regionalem Wachstum ausführlich thematisiert. Damit die Studierenden regional- und stadtökonomische Untersuchungen (z.B. im Rahmen von Seminar- und Abschlussarbeiten, Kurzanalysen etc.) selbst durchführen können, wird auch Wissen über die empirische Methodik vermittelt. So werden verschiedenste Maße der räumlichen Konzentration und regionalen Spezialisierung vorgestellt sowie die Durchführung einer Shift-Share- und Input-Output-Analyse demonstriert.
<b>Lernergebnisse Lernziele</b>
Studierende, die an dem Modul "Standorttheorien" teilgenommen haben, <ul style="list-style-type: none"> <li>• erläutern sowohl traditionelle als auch neuere und neueste Theorien zur Standortwahl anhand von komplexeren Modellen.</li> </ul>

<ul style="list-style-type: none"> <li>• können Zusammenhänge zwischen modelltheoretischen Ansätzen der Standortlehre darstellen.</li> <li>• nutzen diese Modelle, um fundierte Aussagen zu Effekten der Regionalpolitik zu treffen.</li> <li>• illustrieren qualitativ mit Hilfe grafischer Analysemethoden die Wirkungen von Produktivitätsschocks auf regionaler Ebene.</li> <li>• entwickeln Kenntnisse über die Aussagekraft von unterschiedlichen empirischen Kennziffern, durch die der Grad der Branchenkonzentration und der regionalen Spezialisierung bestimmt werden kann.</li> <li>• entwickeln klare Kriterien für die Qualität und Angemessenheit von Modellen für die ökonomische Analyse und reflektieren deren Prämissen kritisch.</li> <li>• beurteilen, wie zielführend verschiedene kommunale Politiken in Abhängigkeit der Branchenstruktur der Kommune sind und welche kommunalpolitischen Eingriffe die regionale Wettbewerbsfähigkeit verbessern können.</li> </ul>
<b>Lehr- und Lernformen</b>
Interaktiver Frontalunterricht, gemeinsame Anwendungen der Kompetenzen, damit es nicht um die Vermittlung von Fach- und Faktenwissen geht, sondern vielmehr anwendbares Wissen vermittelt wird, das befähigt, das Gelernte eigenständig zu reproduzieren und anzuwenden.
<b>Anwesenheitspflicht</b>
<b>Prüfungsleistung (Prüfungsform, Umfang, Gewichtung)</b>
Klausur, 90 Minuten, 100 %
<b>Gesamtnotenrelevanz</b>
<b>Wiederholungsmöglichkeit</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.
<b>Literatur</b>
<b>Weitere Hinweise</b>

<b>Advanced Corporate Finance 1</b>
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<b>Modulnummer</b>
MRIEB20232-XX-M23
<b>Modultitel</b>
Financial Engineering und Strukturierte Finanzierung
<b>Modulverantwortliche/r Prüfer*innen</b>
Prof. Dr. Oliver Entrop

<b>Prüfungsnummer</b>	<b>ECTS</b>	<b>SWS</b>
XX-VL-023	5	2
<b>Modulangebot</b>	<b>Zeitdauer des Moduls</b>	<b>Empfohlenes Studiensemester</b>
Jedes Wintersemester	1 Semester	1-3

<b>Workload</b>
Vorlesung 2 SWS (30 St. Präsenz- und 45 St. Eigenarbeitszeit) Übung 2 SWS (30 St. Präsenz- und 45 St. Eigenarbeitszeit)
<b>Verwendbarkeit</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>Bezug zur LPO I</b>
<b>Empfohlene Voraussetzungen</b>
Gem. § 3 der Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business; Einführungsmodul in Finance wird empfohlen; weitere Bachelor-Finance-Module von Vorteil.
<b>Verpflichtende Voraussetzungen</b>
<b>Unterrichtssprache</b>
Deutsch

<b>Inhalt</b>
<ul style="list-style-type: none"> <li>• Fixed-Income: Spot Markt und symmetrische Derivate (Zinsstrukturkurvenschätzung, Swaps, Forwards, Futures)</li> <li>• Equities: Optionen (Wertgrenzen, Ein- und Mehr-Perioden-Binomialbäume, Black/Scholes, europäische und amerikanische Derivate)</li> <li>• Fixed-Income: Zins- und Bondoptionen (Caps, Floors, Black-Modell, Zinsstrukturkurvenmodelle wie Vasicek und Cox/Ingersoll/Ross)</li> <li>• Fixed-Income: Zertifikate und Strukturierte Produkte (Marktüberblick, Capped, Floored, Collared Floater, Reverse und Fixed-Maxi-Floater, Callable Step-up Bonds, Kapitalmarktfloater, etc.)</li> <li>• Equities: Zertifikate und Strukturierte Produkte (Marktüberblick, Indexzertifikate, Aktienanleihen, Diskontzertifikate, Quantozertifikate, Turbozertifikate, etc.)</li> <li>• Strukturmodelle (Passivpositionen als Derivate auf Unternehmensassets, Agency-Konflikte zwischen Eigenkapital- und Fremdkapitalgebern, Covenants, Determinanten optimaler Unternehmensausfall, Wirkungsanalyse von Kapitalstrukturmaßnahmen, Rating aus</li> </ul>

<p>Marktpreisen, Schätzung von Assetwerten und -volatilitäten aus Passivposition und Derivaten)</p> <ul style="list-style-type: none"> <li>• Reduced Form Modelle</li> <li>• Asset Backed Securities (ABS, CLOs etc), Credit Default Swaps und Structured Debt</li> </ul>
<b>Lernergebnisse Lernziele</b>
<p>Studierende, die an dem Modul erfolgreich teilgenommen haben,</p> <ul style="list-style-type: none"> <li>• erklären und interpretieren die theoretischen Grundlagen der modernen Finanztitel- und insbesondere Derivatebewertung vertieft. Sie charakterisieren die ökonomischen Grundlagen und deren Möglichkeiten und Grenzen.</li> <li>• erkennen und strukturieren Bewertungsprobleme und entwickeln praktisch umsetzbare Lösungsansätze.</li> <li>• erkennen und beurteilen Einsatzmöglichkeiten verschiedenster Finanztitel und deren Risikostruktur.</li> <li>• transferieren ihre Kenntnisse schnell auf die Bewertung neuer Finanztitel.</li> <li>• erkennen und analysieren ein Unternehmen als komplexes System derivativer Ansprüche und charakterisieren insbesondere den Wirkungseinfluss konkreter Kapitalstrukturmaßen auf schon bestehende Finanzierungsinstrumente.</li> </ul>
<b>Lehr- und Lernformen</b>
Interaktiver Frontalunterricht, Bearbeitung von Übungsaufgaben
<b>Anwesenheitspflicht</b>
<b>Prüfungsleistung (Prüfungsform, Umfang, Gewichtung)</b>
Klausur, 60 Minuten, 100%
<b>Gesamtnotenrelevanz</b>
<b>Wiederholungsmöglichkeit</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>Literatur</b>
<b>Weitere Hinweise</b>

<b>Seminar Advanced Corporate Finance</b>
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<b>Modulnummer</b>
MRIEB20232-XX-M25
<b>Modultitel</b>
Master-Seminar Finance und Banking
<b>Modulverantwortliche/r Prüfer*innen</b>
Prof. Dr. Oliver Entrop

<b>Prüfungsnummer</b>	<b>ECTS</b>	<b>SWS</b>
XX-SE-025	7	2
<b>Modulangebot</b>	<b>Zeitdauer des Moduls</b>	<b>Empfohlenes Studiensemester</b>
Jedes Semester	1 Semester	2-3

<b>Workload</b>
2 SWS (30 St. Präsenzzeit und 180 St. Eigenarbeitszeit)
<b>Verwendbarkeit</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>Bezug zur LPO I</b>
<b>Empfohlene Voraussetzungen</b>
Im Idealfall wurden die anderen Mastervorlesungen des Lehrstuhls bereits absolviert oder werden parallel besucht. Hierzu gehört insbesondere auch „Quantitative Methoden in Finance“. Andere Veranstaltungen des AFT-Bereichs sowie in Statistik/Ökonometrie werden empfohlen.
<b>Verpflichtende Voraussetzungen</b>
<b>Unterrichtssprache</b>
Deutsch

<b>Inhalt</b>
In diesem Modul führen 2er-Teams von Studierenden eine abgegrenzte eigene wissenschaftliche Untersuchung durch, die sich in der Regel an einer aktuellen Forschungsarbeit aus einer international führenden Zeitschrift orientiert. Die eigene Untersuchung ist in der Regel empirisch ausgerichtet.
<b>Lernergebnisse Lernziele</b>
<p>Studierende, die an dem Modul erfolgreich teilgenommen haben,</p> <ul style="list-style-type: none"> <li>• erklären, strukturieren und schätzen aktuell in der Forschung diskutierte Themenstellungen im Bereich Finance ein.</li> <li>• erstellen eine eigenständige wissenschaftliche Forschungsarbeit.</li> <li>• führen die Recherche einschlägiger Literatur effektiv durch, strukturieren und reflektieren diese.</li> <li>• erstellen eine Datenbasis für ihre Untersuchung.</li> <li>• verstehen die notwendigen empirischen Methoden und wenden diese selbstständig an.</li> <li>• erkennen die internationalen Regeln und Standards zum wissenschaftlichen Arbeiten und Forschen und wenden diese auf ihre Forschungsarbeit an.</li> <li>• präsentieren ihre Forschungsarbeit effektiv und diskutieren diese konstruktiv.</li> </ul>



<b>Lehr- und Lernformen</b>
Hausarbeit, Präsentation, Diskussion
<b>Anwesenheitspflicht</b>
<b>Prüfungsleistung (Prüfungsform, Umfang, Gewichtung)</b>
Portfolio: Seminararbeit (ca. 25.000 Zeichen pro Person, 60%), Präsentation (ca. 40 Min. pro Person, 30%), Diskussion (10%). Es wird eine Gesamtnote vergeben.
<b>Gesamtnotenrelevanz</b>
<b>Wiederholungsmöglichkeit</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>Literatur</b>
<b>Weitere Hinweise</b>
Die Teilnahme am Master-Seminar Finance und Banking ist nur durch vorherige Anmeldung am Lehrstuhl möglich. Das Anmeldeformular und weitere Informationen finden Sie in Stud.IP.

**Lectures in Advanced International Economics 1**

<b>module number</b>
MRIEB20232-XX-M26
<b>module title</b>
Advanced International Economics
<b>module coordinator</b>
Prof. Dr. Sebastian Krautheim

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-026	7	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Irregular	1 semester	

<b>workload</b>
Seminar: 2 SWS (30 hours of attendance and 180 hours of independent study time)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe C: Global Economy, International Trade, and Finance
<b>reference to the LPO I</b>
<b>recommended requirements</b>
This seminar is targeted to students who have completed the courses "Fundamentals of International Trade" (FIT) as well as "Advanced International Trade" (AIT) / "Empirics of International Trade" (EIT). Most of the topics directly relate to papers touched upon in the AIT/EIT course. In individual cases also topics unrelated to the two courses are offered.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
This seminar covers different topics in the fields of international trade, international macroeconomics, international organization of production, trade policy, identity politics and globalization backlash. This seminar has a clear research orientation and enables students to subsequently engage in their own independent research at the frontier.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in the module "Advanced International Economics"
<ul style="list-style-type: none"> <li>• describe the principles of good scientific practice as well as strategies for academic writing.</li> <li>• outline the state of the literature that relates to their specific topic.</li> <li>• present the main results of their work in a term paper and an oral presentation including the relation to findings in the literature.</li> </ul>

<ul style="list-style-type: none"> <li>perform, where appropriate, an analysis along the lines of a specific paper (depending on the topic this may be on an intuitive level or a graphical, algebraic or empirical analysis).</li> <li>justify the exact focus and structure chosen for the term paper and the presentation.</li> <li>assess pros and cons of different approaches in the literature and how they contribute to a better understanding of the topic and, where appropriate, to academic or policy debates.</li> <li>develop and explore starting points for the introduction of novel issues and research questions into the literature at the frontier.</li> </ul>
<b>teaching methods</b>
Seminar meetings and discussions. Advice and feedback on the term paper and the final presentation.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Students write a term paper on a topic that is assigned at the beginning of the seminar. The term paper should have 8–12 pages (13000–15600 characters). Besides, students present their work in the seminar and engage in discussions.</p> <p>Portfolio: The final grade consists of</p> <ul style="list-style-type: none"> <li>50% term paper</li> <li>50% final presentation</li> </ul>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<ul style="list-style-type: none"> <li>Antràs, P. and E. Helpman (2004). "Global Sourcing". In: Journal of Political Economy 112 (3), pp. 552–580.</li> <li>Arkolakis, C. (2010). "Market Penetration Costs and the New Consumers Margin in International Trade". In: Journal of Political Economy 118 (6), pp. 1151–1199.</li> <li>Bernard, A. B., S. J. Redding, and P. K. Schott (2007). "Comparative Advantage and Heterogeneous Firms". In: The Review of Economic Studies 74.1, pp. 31–66.</li> <li>Bernard, A. B., S. J. Redding, and P. K. Schott (2011). "Multiproduct Firms and Trade Liberalization". In: The Quarterly Journal of Economics 126.3, pp. 1271–1318.</li> <li>Chaney, T. (2008). "Distorted Gravity: The Intensive and Extensive Margins of International Trade". In: American Economic Review 98 (4), pp. 1707–1721.</li> <li>Eaton, J. and S. Kortum (2002). "Technology, Geography, and Trade." In: Econometrica 70, pp. 1741–1779.</li> <li>Eaton, J., S. Kortum, and F. Kramarz (2011). "An Anatomy of International Trade: Evidence From French Firms". In: Econometrica 79.5, pp. 1453–1498.</li> <li>Eckel, C. and J. P. Neary (2010). "Multi-Product Firms and Flexible Manufacturing in the Global Economy". In: Review of Economic Studies 77 (1), pp. 188–217.</li> <li>Egger, H. and U. Kreickemeier (2012). "Fairness, Trade, and Inequality". In: Journal of International Economics 86.2, pp. 184–196.</li> <li>Helpman, E., O. Itzhak, and S. Redding (2010). "Inequality and Unemployment in a Global Economy". In: Eco 78 (4), pp. 1239–1283.</li> <li>Helpman, E., M. J. Melitz, and Y. Rubinstein (2008). "Estimating Trade Flows: Trading Partners and Trading Volumes". In: The Quarterly Journal of Economics 123 (2), pp. 441–487.</li> </ul>
<b>additional notes</b>

**Modulgruppe D: Governance, Institutions and Development****Evaluation of Development Policies**

<b>module number</b>
MRIEB20232-03-12-M30
<b>module title</b>
Evaluation of Development Policies
<b>module coordinator</b>
Prof. Dr. Michael Grimm

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-030	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (28 h Contact hours and 48 h Self study) Tutorial 2 SWS (24 h Contact hours and 24 h Self study) Exam Preparation (2 h Contact hours and 24 h Self study)  We are calculating with 15 semester weeks (14 lecture + 1 examination week). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in Econometrics is required. Prior knowledge in development economics/development studies is an advantage.
<b>obligatory requirements</b>
<b>language</b>
English

<b>Content</b>
Slow economic growth in many parts of the world has led to development aid pessimism. While some believe aid in general does not work and argue that development cannot be planned others think that in fact aid was simply not significant enough to be successful. Hence the former argue in favour of smaller steps and to build on what works, while the latter ask for a substantial increase of aid. This debate has raised the interest in and need of rigorous policy and project evaluations which can in a credible way establish a link between cause and effect. This course introduces students to the concept and various methods of experimental and quasi experimental impact evaluations. All methods are presented using real world examples. Hence policies and projects are discussed in conjunction with the methods that can be used to evaluate them. Examples include conditional cash

<p>transfer programs, the implementation of health insurance, unemployment insurance and a school construction programme among many others.</p> <p>The methods that are discussed in this course are similar to those used in OECD countries to evaluate for example active labour market policies and social security reforms. Hence, the course is not only of interest for students with a special interest in development, but for all students that aim to get experience in policy evaluation more generally.</p> <p>The course is accompanied by a tutorial in which students acquire hands-on experience on how to assess impacts using real data and an econometric software package, STATA. The first few lessons help students to get acquainted with STATA, the leading statistical software package in economics and other social sciences.</p>
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the Module “Evaluation of Development Policies”:</p> <ul style="list-style-type: none"> <li>• explain the concept of causal inference.</li> <li>• identify an adequate evaluation strategy for a given policy or project.</li> <li>• develop the theory of change associated with a policy or project.</li> <li>• perform power calculations and alternative sampling strategies.</li> <li>• analyse the data in line with the various evaluation methods using the Stata software package.</li> <li>• interpret results from impact evaluations.</li> <li>• complement quantitative evidence with relevant qualitative research to further illustrate the underlying mechanisms linking project inputs to outcomes and ultimate impacts.</li> <li>• assess critically the quality of impact evaluations.</li> <li>• derive policy recommendations from impact evaluations.</li> </ul>
<b>teaching methods</b>
<p>“Vorlesung mit Seminarcharakter”</p> <p>Lecture with interactive elements, hands-on exercises in the computer lab. Students discuss concepts and evaluation problems in class using real world case studies. They engage in group work to solve problem sets and to discuss review questions.</p> <p>The course starts with 2 lectures per week, lectures ending presumably 4 weeks before the end of the semester. The accompanying exercises are held until the end of the semester.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Assignment to be submitted (100%). The assignment consists of an evaluation problem that has to be solved using a data set and the Stata software package. Students submit a corresponding research note explaining the evaluation problem, the used evaluation approach, the main results and a policy relevant conclusion.</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
According to the degree program's StuPO
<b>reading list</b>
<ul style="list-style-type: none"> <li>• A course book with detailed information about the course.</li> <li>• Lecture notes.</li> <li>• Readings (for details, see course book).</li> </ul>
<b>additional notes</b>
One guest-lecture

<b>Economics of Corruption</b>
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<b>module number</b>
MRIEB20232-03-12-M39
<b>module title</b>
Seminar: The Economics of Corruption
<b>module coordinator</b>
Prof. Dr. Johann Graf Lambsdorff, Dr. Katharina Werner

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-SE-039	7	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Irregular	2 weeks (block)	

<b>workload</b>
Online-Videos: Required total time = 30 hrs., Self-work time 60 hrs. for preparing introductory exam and final exam. Face-to-face event: 60 hours, Writing of report 60 hrs. Calculation is based on the workload for 7 ECTS (210 hrs.).
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Knowledge in microeconomics and institutional economics is strongly recommended. Interest in experimental economics and game theory is helpful.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
The course introduces into the economic analysis of corruption, defined as the misuse of public power for private benefit. A focus is put on institutional, behavioral and experimental economics, seeking to address how citizens behave and how officials react to corrupt incentives and sanctions. Approaches to reform, particularly based on the United Nations Convention Against Corruption (UNCAC), are critically discussed and confronted with behavioral insights. Topics covered embrace the 4-eyes principle, Abuse of Office, Corruption Perceptions Index, Debarment, Diffusion of Responsibility, Limiting Discretion, Illicit Enrichment, Intermediaries, Intrinsic Motivation, Job Rotation, Leniency, Nullity of the Basic Contract, Procurement, Separation of Functions and the Tone at the Top.
<b>intended learning outcomes (ILOs)</b>
Students who have participated in the module "The Economics of Corruption", <ul style="list-style-type: none"> <li>identify situations of corruption and recall methods for measuring levels of corruption including red flags as well as institutional and behavioural approaches to understanding corruption and reform,</li> </ul>

<ul style="list-style-type: none"> <li>• interpret human behaviour as a conflict between selfish interests and honesty and integrity,</li> <li>• implement their own experiment in groups of students,</li> <li>• characterize the results of their experiment through the lens of behavioural models, shedding light on frames, incentives, nudges or similar influences,</li> <li>• produce their own experimental design as a joint work with other students, based on their self-developed research question; combine a statistical analysis of their findings with a discussion of the relevant literature.</li> </ul>
<b>teaching methods</b>
<p>Students must work through 3-hours of lectures that are supplied as pre-recorded videos, to be found in the "video"-section. The slides can be found in the "Dateien"-section on StudIP. Students must prove their understanding of this material in an introductory online-exam in the form of a single-choice test. The test takes place on Sep 29. The exam must be passed for being accepted to the subsequent workshop, which is conducted as a face-to-face event.</p> <p>Guest presentations, case studies, games and simulations are core ingredients of the face-to-face part of the course. These motivate and guide participants in developing their own experiment. This development and subsequent implementation is deepened by help of group-work. Groups jointly develop, design and run an experiment related to corruption and present the findings briefly in the plenary. Each individual participant then submits a final report on the findings. The deadline for the reports will be announced during the workshop.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>For 7 ECTS Portfolio exam (Master IEB, DS and other programs): 15 points introductory online-exam (20 minutes), 25 points (40 minutes) for a final test and 60 points short report (5,000 characters) on the research findings from the group work, where the own contribution to the group work is explained.</p> <p>For 10 ECTS Portfolio exam (Master Governance only!): 15 points introductory online-exam (20 minutes), 20 points (40 minutes) for a final test and 55 points short report (5,000 characters) on the research findings from the group work, where the own contribution is explained, 10 points home assignment (8,000 characters) on a topic about anti-corruption.</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<p>Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.</p>
<b>reading list</b>
<b>additional notes</b>

<b>Population Economics</b>
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<b>module number</b>
MRIEB20232-03-12-M40
<b>module title</b>
Population Economics
<b>module coordinator</b>
Prof. Dr. Stefan Bauernschuster, Katharina Drescher

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-040	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Uebung 2 SWS (30 hours class instruction; 45 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According § 3 of the Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Basic knowledge in microeconomics and statistics/econometrics recommended
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
At the end of the 19th and the beginning of the 20th century, Western countries experienced a massive decline in fertility and mortality rates. In the second half of the 20th century, we observe a further decline in fertility, which is often ascribed to the emergence of the birth control pill. At the same time, education and female labor supply substantially increased, and the age at which people married increased. Family policies have been adapted to enhance the reconciliation of work and family life and thus support females' position in the labor market. Moreover, international migration plays an important role in population dynamics and changing labor markets. This lecture starts with an in-depth analysis of the driving forces behind the great demographic transition. Then, we deal with economic theory and empirical evidence on decisions in families concerning fertility and the division of labor, economic effects of the birth control pill, discrimination in the labor market, and the evaluation of family policies with respect to the reconciliation of work and family life. Finally, we



investigate who selects into migration and why, and which impact international migration has on destination countries' labor markets.
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module are able to</p> <ul style="list-style-type: none"> <li>• describe the major areas of population economics and place them in historical context</li> <li>• outline and critically discuss the main theoretical models in the field of population economics, such as the Malthusian theory of population, theory of discrimination, theory of migration, and theory of female labor supply</li> <li>• analyze and interpret the empirical evidence on the topics discussed, distinguish correlation from causality, and evaluate empirical studies with respect to their merits and problems</li> <li>• draw policy relevant conclusions and participate in well-informed debates in the area of the population economics</li> <li>• communicate research findings effectively in oral and written formats</li> </ul>
<b>teaching methods</b>
<p>Classroom lecture with interactive elements (Vorlesung mit Seminarcharakter)</p> <p>Uebung with tutorials and student presentations</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>100 % final exam (90 minutes)</p> <p>or portfolio (80 % final exam (90 minutes), 20 % oral presentation (20-30 minutes))</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
Original research papers (details will be given in the lectures)
<b>additional notes</b>
The lecture is in English; exam questions can be answered in German

<b>Behavioral Public Economics</b>
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<b>module number</b>
MRIEB20232-03-12-M41
<b>module title</b>
Behavioral Public Economics
<b>module coordinator</b>
Prof. Dr. Stefan Bauernschuster, Geske Rolvering

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-041	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Uebung 2 SWS (30 hours class instruction; 45 hours self-study)  Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According § 3 of the Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Basic knowledge in microeconomics and statistics/econometrics recommended
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
The model of homo oeconomicus, a rational perfectly informed and self-interested individual who maximizes her utility, sometimes fails to provide an adequate picture of individual decision-making processes. In some circumstances, individuals make systematically wrong decisions. This lecture demonstrates which implications can be drawn from behavioral economic insights for the field of public economics. Amongst the topics covered in the lecture are time-inconsistent behavior (hyperbolic discounting) and its implications for the taxation of sin goods such as alcohol or unhealthy food, mental accounting and its implications for labelling social transfers, the salience of information and its implications for attitudes and behavior, reference points and loss aversion and its implications for labor supply, and the role of default options for retirement and health insurance.
<b>intended learning outcomes (ILOs)</b>

<p>Students who have successfully participated in the module “Behavioral Public Economics” are able to</p> <ul style="list-style-type: none"> <li>• demonstrate a clear understanding of the main features and assumptions of neoclassical public economics</li> <li>• identify situations in which individuals’ behavior deviates from the predictions of neoclassical theory and explain these deviations with the help of behavioral economic concepts</li> <li>• develop suggestions in which way insights from behavioral economics might improve policy decisions,</li> <li>• use this knowledge to assess applied research papers, interpret the findings and critically discuss the policy conclusions with their peers</li> </ul>
<b>teaching methods</b>
<p>Classroom lecture with interactive elements (Vorlesung mit Seminarcharakter)          Übung with tutorials and student presentations</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>100 % final exam (90 minutes)          or portfolio (80 % final exam (90 minutes), 20 % oral presentation (20-30 minutes))</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
<p>The lecture is in English; exam question can be answered in German</p> <p>Students of the Master program „Governance and Public Policy“ can gain 10 ECTS instead of 5 ECTS. More details will be given during the lecture.</p>

**Seminar in Public Economics**

<b>module number</b>
MRIEB20232- XX-M31
<b>module title</b>
Topics in Public Economics
<b>module coordinator</b>
Prof. Dr. Stefan Bauernschuster, Dr. Aixa Maria Garcia-Ramos, Geske Rolvering, Katharina Drescher

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-SE-031	7	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Winter semester	1 semester	

<b>workload</b>
Seminar 2 SWS (30 hours class instruction; 180 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
<b>obligatory requirements</b>
To participate in this course, students must have attended the course "Natural and Field Experiments" offered by the Chair of Public Economics. In case of remaining free capacities, we also accept students who have attended the course "Evaluation of Development Policies" instead.
<b>language</b>
English

<b>content</b>
This course introduces students to the replication of empirical research papers. It is divided into two parts. In the first part, students work in groups of two to replicate the main results of a paper. The results of this exercise (including the code developed by the students themselves) are then presented to the rest of the class. In the second part, students individually prepare a short seminar paper in which they extend the replication of the paper by conducting further analyses. The research papers assigned will be in the broad area of public economics and the software used can either be Stata or R.

<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module are able to</p> <ul style="list-style-type: none"> <li>• analyse and interpret research papers in the area of applied microeconometrics, and evaluate their identifying strategy</li> <li>• assess the importance of replication in applied research</li> <li>• develop and strengthen their data literacy skills by working with different types of data sets</li> <li>• apply econometric methods in Stata or R to replicate research papers</li> <li>• identify relevant research ideas and implement them by independently extending the analyses conducted in the research paper</li> <li>• effectively communicate the main results of the empirical exercise in oral and written form, and critically discuss problems encountered</li> </ul>
<b>teaching methods</b>
<p>Introductory sessions with interactive elements</p> <p>Seminar as a blocked course with student presentations and discussions</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Portfolio (50% presentation, 50% seminar thesis (6 pages))
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
A detailed list of recommended introductory reading is presented in the introductory session.
<b>additional notes</b>
<p>The first part of the seminar mainly consists of the reproduction of the original findings using the provided data. Specifically, the students should explore whether the results replicate and present their replication exercise in the presentation session.</p> <p>While the first part mainly consists of the reproduction of the original study results, the goal of the second part of the course, i.e. the seminar paper, is to shortly summarize the original study and then review and extend the paper's methods and findings. Therefore, each student should independently analyse the robustness of the results and summarize the findings in a short seminar paper.</p>

<b>Economics of Education</b>
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<b>module number</b>
MRIEB20232-03-12-M32
<b>module title</b>
Economics of Education
<b>module coordinator</b>
Prof. Dr. Stefan Bauernschuster, Katharina Drescher

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-032	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Uebung 2 SWS (30 hours class instruction; 45 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According § 3 of the Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Basic knowledge in microeconomics and statistics/econometrics recommended
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
Human capital is a key factor for growth and prosperity of nations. Due to the crucial role of education, Germany's bad performance in recent international school achievement tests has induced heated debates on problems of the current school system and necessary reforms. The first part of this lecture deals with the role of education for the economic development of countries and the effects of schooling on wages and the risk of getting unemployed. Apart from these labor market related impacts, we also look at the effects of schooling on health, crime, and social engagement. It becomes apparent that education is not only about cognitive but also about non-cognitive skills. The second part of the lecture evolves around the question how school systems should be designed in order to provide the best possible results for children and youths. In addition to the investigating effects of early childhood education, we focus on the effects of class size, (early) educational tracking, school autonomy as well as the role of teachers. This analysis is based on an in-depth inspection of current empirical research papers.

<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module are able to</p> <ul style="list-style-type: none"> <li>• illustrate the most important theoretical models in the field of economics of education, such as the human capital theory, signaling theory, or the technology of skill formation</li> <li>• describe and critically discuss the determinants and effects of education</li> <li>• interpret empirical evidence on the topics discussed, and assess the merits and limitations of empirical studies</li> <li>• demonstrate a clear understanding of methods used in empirical research, such as RDD, Difference-in-Differences, and IV</li> <li>• develop informed policy conclusions and contribute to debates on the economics of education</li> <li>• communicate research findings effectively in oral and written formats</li> </ul>
<b>teaching methods</b>
<p>Classroom lecture with interactive elements (Vorlesung mit Seminarcharakter)          Übung with tutorials and student presentations</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>100 % final exam (90 minutes)          or portfolio (80 % final exam (90 minutes), 20 % oral presentation (20-30 minutes))</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
The lecture is in English; exam questions can be answered in German

## Economics of Crime

<b>module number</b>
MRIEB20232-XX-M33
<b>module title</b>
Economics of Crime
<b>module coordinator</b>
Dr. Aixa Maria Garcia-Ramos

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-033	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Uebung 2 SWS (30 hours class instruction; 45 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According § 3 of the Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Basic knowledge in microeconomics and statistics/econometrics recommended
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
This module introduces students to the theoretical and empirical contributions of economists to the understanding of crime. The economic approach to crime assumes that individuals choose whether to commit a crime based on a rational comparison of its expected costs and benefits. We start by reviewing the theoretical model of crime developed by Becker (1968), which has been the seminal work in the field. After introducing the key elements and implications of this model, we focus on the growing number of empirical studies that have attempted to test its predictions. More specifically, the module covers topics such as the role of policing, imprisonment, labour market opportunities, education, immigration, drug policy, and guns. We also examine the recent contributions in the subfields of intimate partner violence and organised crime. Throughout the course we will become familiar with a variety of sources of crime data, as well as policy evaluation methods commonly used in these empirical analyses.



<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in this module should be able to</p> <ul style="list-style-type: none"> <li>• demonstrate a clear understanding of the main topics in the field of the economics of crime including Becker's theoretical model and the role of several determinants of crime</li> <li>• interpret and think critically about Becker's theoretical model and approximately 15 empirical studies reviewed in the lectures and tutorials</li> <li>• synthesise and communicate the content of the reviewed papers effectively in written and oral forms</li> <li>• conduct rigorous research and participate in well-informed debates on the area of the economics of crime.</li> </ul>
<b>teaching methods</b>
<p>Classroom lecture with interactive elements (Vorlesung mit Seminarcharakter)          Übung with tutorials and student presentations</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Portfolio: Final written exam (75%), Presentations (25%)          or Seminar Paper (60%), Presentations (40%)</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<p>A list of references will be provided in class.</p>
<b>additional notes</b>
<p>Lectures and tutorials are in English.          Exam questions must be answered in English.</p>

<b>Health, Development and Public Policy</b>
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<b>module number</b>
MRIEB20232-03-12-M34
<b>module title</b>
Health, Development and Public Policy
<b>module coordinator</b>
Prof. Dr. Michael Grimm

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-034	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (28 h Contact hours and 48 h Self study) Tutorial 2 SWS (24 h Contact hours and 24 h Self study) Exam Preparation (2 h Contact hours and 24 h Self study)  We are calculating with 15 semester weeks (14 lecture + 1 examination week). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
An understanding of intermediate micro and macro-economics and basic quantitative analysis is required. Prior knowledge in development economics is an advantage, but not necessary.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
<p>Health and nutrition are important inputs to individual well-being and economic development. Individual and population health in turn are driven by individual income and public resources allocated to the health sector. This two-way relationship renders the link between health and economic development complex and the evaluation of the economic impacts of health interventions a challenging endeavour. The course is designed to illustrate these challenges and deals with three broad issues</p> <ul style="list-style-type: none"> <li>• the linkages between health and economic growth, in particular, in the context of developing countries,</li> <li>• the evaluation of specific policy interventions in the health sector, and</li> <li>• an examination of the rationale for public provision of health care, factors driving resource allocation and the effectiveness of public health spending including public health insurance.</li> </ul>

<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in the Module “Health, Development and Public Policy”:
<ul style="list-style-type: none"> <li>• define the concept of health in health economics.</li> <li>• understand possible transmission channels between health and development.</li> <li>• assess models explaining health related behavior and health investment.</li> <li>• illustrate specific health problems and develop possible solutions.</li> <li>• reflect on the economic, political and social rationale for the public provision of health expenditure.</li> <li>• interpret the results from impact evaluations of health interventions and policy reforms.</li> </ul>
<b>teaching methods</b>
Lecture, class room discussions, tutorials (Übungen).
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam 90 min
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
According to the degree program's StuPO
<b>reading list</b>
<ul style="list-style-type: none"> <li>- A course book with detailed information about the course.</li> <li>- Lecture notes in form of power points (downloadable).</li> <li>- Readings (for details, see course book)</li> </ul>
<b>additional notes</b>

<b>Growth, Inequality and Poverty</b>
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<b>module number</b>
MRIEB20232-03-12-M35
<b>module title</b>
Growth, Inequality and Poverty
<b>module coordinator</b>
Prof. Dr. Michael Grimm

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-12-VL-035	5	2+2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>Workload</b>
Lecture 2 SWS (28 h Contact hours and 48 h Self study) Tutorial 2 SWS (24 h Contact hours and 24 h Self study) Exam Preparation (2 h Contact hours and 24 h Self study)  We are calculating with 15 semester weeks (14 lecture + 1 examination week). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
An understanding of intermediate micro and macro-economics and basic econometrics is required. Prior knowledge in development economics is an advantage. Students without any prior knowledge in development economics may read the books by either Perkins (2012), Ray (1998) or Todaro and Smith (2006) (see course book for details).
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
Economic growth has led to substantial reductions in poverty world-wide, specifically in South-East Asia and in large countries such as China and India and until recently also in Brazil. The picture is more mixed in Sub-Saharan Africa where poverty in some parts has been reduced, while in other parts such as the Sahel region, very recent forecasts suggest at least a stagnation if not an increase. In many emerging economies, including China, growth and poverty reduction are accompanied by a significant increase in inequality. The first part of the course discusses the statistical tools to investigate these dynamics. The course starts with a presentation of the theoretical foundations of the mainstream welfare measures. This is followed by a detailed discussion of inequality measures and the role of different dimensions of inequality. Then the course focuses on the World Bank's approach to measure poverty. It follows a discussion of the advantages and disadvantages of

<p>alternative approaches including Sen's Capability Approach, the Human Development Index and the concept of happiness. The last two chapters discuss theoretical channels linking inequality and economics growth and empirical results testing these channels. The second part of the course focusses on how development policies and development co-operation can help fighting poverty and addressing inequality. It starts with setting out the changing paradigms in development strategies and co-operation over the last decades from the unilateral focus on poverty in the 70s to the more holistic Agenda 2030 with its ambition to leave no one behind.</p>
<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the Module "Growth, Inequality and Poverty"</p> <ul style="list-style-type: none"> <li>• understand the theoretical foundations of commonly used welfare measures.</li> <li>• reflect on alternative welfare measures and approaches.</li> <li>• apply the techniques necessary to analyse statistically growth, poverty and inequality dynamics.</li> <li>• explain recent theories linking economic growth and inequality.</li> <li>• discuss changing paradigms in countries' development strategies as well as international development cooperation.</li> <li>• illustrate potential determinants of successful development cooperation and enable critical assessments of the link between development cooperation, poverty and inequality.</li> </ul>
<b>teaching methods</b>
<p>This lecture is organized in a set of lectures and tutorials (Übungen).</p> <p>Students are explicitly invited to actively participate in the lecture through questions and input for discussion. In the tutorial students solve set problems in relation to the lecture. In addition, students are invited to indicate those parts of the course for which they need additional training. This may refer to a particular concept, an empirical method or a certain debate in development politics. Readings are essential to prepare the class and the exam.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam 90 min
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
According to the degree program's StuPO
<b>reading list</b>
<p>General background readings:</p> <ul style="list-style-type: none"> <li>• De Janvry, A. and E. Sadoulet (2016), Development Economics. Theory and Practice. Routledge, London.</li> <li>• Grimm M., A. McKay and S. Klasen (2007), Determinants of Pro-Poor Growth: Analytical Issues and Findings from Country Cases. London: Palgrave-Macmillan.</li> <li>• Houghton, J. and S. R. Khandker (2009), Handbook on Poverty and Inequality. World Bank, Washington D.C.</li> <li>• Perkins, D.H., S. Radelet, D.L. Lindauer and S.A. Block (2012), Economics of Development, Norton &amp; Company.</li> <li>• Ray D. (1998), Development Economics. Princeton University Press: Princeton.</li> <li>• Shorrocks, A.F. and R. van der Hoeven (2004), Growth, Inequality and Poverty. Prospects for Pro-Poor Economic Development, Oxford: Oxford University Press.</li> <li>• Szirmai, A. (2015), Socio-Economic Development. 2nd edition, Cambridge University Press.</li> <li>• Todaro, M.P. and S.C. Smith (2006), Economic Development. 9th edition (or newer), Pearson: Essex.</li> </ul>

- World Bank (2006), World Development Report: Equity and Development. World Bank, Washington D.C.
- "Economic Development" by Michael P. Todaro and Stephen C. Smith is available as an e-book in our university library. You can also use this direct link:  
<https://elibrary.pearson.de/book/99.150005/9781292291208>

**additional notes**

**Seminar in Development Economics**

<b>module number</b>
MRIEB20232-XX-M36
<b>module title</b>
Seminar in Development Economics
<b>module coordinator</b>
Prof. Dr. Michael Grimm

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-SE-036	7	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
30 h Contact hours and 180 h Self-study
We are calculating with 15 semester weeks (14 lecture + 1 examination week). Each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe D: Governance, Institutions and Development
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in econometrics as well as micro- and macroeconomics is required. While a strong mathematical or statistical background is not necessary to follow the course, students will be expected to engage with several papers using regression analysis and data science. Prior knowledge in development economics and/or political economy is an advantage but not necessary..
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
The seminar focuses on fundamental problems of socio-economic development at an advanced level. It offers an integrated mix of theories, empirical testing, policy evaluations and political debate. The topics change from year to year.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in the Module "Seminar: Development Economics": <ul style="list-style-type: none"> <li>• developed a basic understanding in a certain field of development economics.</li> <li>• identified, reviewed and synthesized relevant scientific literature.</li> <li>• explain the basics of the theoretical and theoretical approaches used in the literature.</li> <li>• wrote and presented a scientific research paper based on the reviewed literature.</li> <li>• assess own empirical material to complement their literature review.</li> <li>• identified research gaps in the literature.</li> </ul>

<ul style="list-style-type: none"> <li>engaged in scientific debates with other students.</li> <li>critically reflect on the seminar papers by other students.</li> </ul>
<b>teaching methods</b>
<p>The seminar can be organized as a block seminar during the lecture period or as a series of introductory lectures and discussions, followed by students' presentations of one of the research articles from the course and a prepared referee report on this article.</p> <p>Please see syllabus and course book.</p>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
<p>Students are expected to choose one of the research articles from the list, write a three-to-five page referee report or research proposal based on the paper chosen, and present both the summary of the research paper and referee report/research proposal in the class.</p> <p>The grade will consist of a Presentation (30%) + Referee report (50%) + Discussion and participation in class (20%).</p>
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
According to the degree program's StuPO
<b>reading list</b>
Materials from the course (i.e. academic papers, published in international journals and referee reports)
<b>additional notes</b>



**Modulgruppe E: Business****Organization Theory and Sustainable Leadership**

<b>module number</b>
MRIEB20232-02-11-M42
<b>module title</b>
Organization Theory and Sustainable Leadership
<b>module coordinator</b>
Prof. Dr. Suleika Bort

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
02-11-VL-042	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Exercise 2 SWS (30 hours class instruction; 45 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam weeks.
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According to § 3 of the study and examination regulations for the Master's degree program in International Economics and Business.
<b>obligatory requirements</b>
<b>language</b>
English

<b>Content</b>
This course aims at providing an overview of the key issues and arguments within organization theory and will critically discuss and apply them in the context of sustainability, justice, and social responsibility. The course will also discuss various sustainable and ethical leadership ideas. It systematically applies theory to practical organizational challenges in the area of sustainability, ethics, and social responsibility to highlight the value of theory for organizational analysis, leadership and decision making.
<b>intended learning outcomes (ILOs)</b>
After successful participation in this course, students <ul style="list-style-type: none"> <li>develop the perspective that leaders and organizations have agency and a role in addressing issues such as social inequality and environmental degradation.</li> </ul>

<ul style="list-style-type: none"> <li>• understand different theoretical approaches to explain the activities of organizations and apply them to examples and practical cases</li> <li>• critically reflect the boundaries of these theories, asking whether there are alternative ways to manage firms and engage in sustainable leadership.</li> <li>• examine different cases of leaders and firms that have reimagined their roles, objectives, and directions they have followed.</li> </ul>
<b>teaching methods</b>
<ul style="list-style-type: none"> <li>• Interactive Lecture</li> <li>• Discussion of questions, readings and case studies linked to the topic</li> </ul>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Portfolio
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.
<b>reading list</b>
<b>additional notes</b>

**Organizational and Competitive Strategy**

<b>module number</b>
MRIEB20232-03-11-M51
<b>module title</b>
Organizational and Competitive Strategy
<b>module coordinator</b>
Prof. Dr. Carolin Häussler, Dr. Patrick Figge

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-051	5	4
<b>Availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>Workload</b>
Lecture: 2 SWS (30 hrs. class instruction, 65 hrs. self-study) Exercise Class: 2 SWS (15 hrs. class instruction, 40 hrs. self-study)  Calculation is based on: every hr. per semester week corresponds to 60 minutes. One semester presumably consists of 15 weeks, i.e., 14 course and 1 exam week
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
In accordance with § 3 of the study and examination regulation for the master degree program Business Administration.
<b>obligatory requirements</b>
<b>language</b>
English

<b>Content</b>
This course focuses on the organizational and strategic challenges companies face in order to obtain a sustainable competitive advantage. It engages in an application-oriented analysis of intercompany interaction along the value chain. The course discusses how companies decide for strategic moves in order to attain competitive advantage. Amongst others, topics covered by this course will be pricing decisions, market entry decisions, intellectual property protection, network effects, and vertical relations within the value chain.

<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module "Organizational and Competitive Strategy",</p> <ul style="list-style-type: none"> <li>• explain key theoretical concepts of management, competition and strategy science.</li> <li>• combine and compare knowledge of theoretical concepts with the understanding of emerging trends. In so doing, students discuss resulting consequences for strategic decision-making in organizations, e.g., the strategic implications of network effects on the management of platform ecosystems.</li> <li>• perform analyses to quantify abstract decision-making scenarios through game theoretic and economic models (e.g., simultaneous and sequential decision-making games).</li> <li>• assess corporate strategies through analyzing competitive environments surrounding organizations.</li> <li>• develop adequate recommendations for organizations' (competitive) strategies.</li> </ul>
<b>teaching methods</b>
<ul style="list-style-type: none"> <li>• Interactive lecture</li> <li>• Discussion of contents</li> <li>• Discussion of questions and case studies</li> <li>• Interactive surveys and classroom experiments</li> </ul>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam at the end of the course, 60 Minutes (100%)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>reading list</b>
<b>additional notes</b>
<ul style="list-style-type: none"> <li>• Guest lectures, integration of videos, case studies</li> <li>• A weekly exercise class (#32825) will supplement the lecture by repeating and intensifying core concepts.</li> <li>• The module is applicable to the Certificate Program in Digital Technology and Entrepreneurship: Entrepreneurial Pathfinder.</li> </ul>

<b>Managing and Leading Strategic Innovation and Change</b>
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<b>module number</b>
MRIEB20232-03-11-M52
<b>module title</b>
Managing and Leading Strategic Innovation and Change
<b>module coordinator</b>
Prof. Dr. Andreas König

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-052	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30h presence time and 120h own working time)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According to § 3 of the study and examination regulations for the International Economics and Business Master's program.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
Over the past decades, few challenges have become more vital to organizations that creating value and growth through strategic innovation. This course illuminates the focal issues involved in such breakthroughs of creating and capturing value in an industry. Our journey starts by looking at the specific difficulties of incumbent firms when engaging in strategic innovation and ends by investigating the opportunities that emerge as a consequence of the inertia of incumbent organizations. We particularly focus on how leaders of teams and organizations can shape strategic change, both by looking at real-life cases and by reading, and reflecting on, state-of-the-art scholarly work on strategic innovation.
<b>intended learning outcomes (ILOs)</b>
After successful participation in this course, students <ul style="list-style-type: none"> <li>• Understand and elaborate what strategic innovation is</li> <li>• Explain and evaluate the specific challenges involved in strategic innovation</li> </ul>

<ul style="list-style-type: none"> <li>• Transfer frameworks and knowledge to real-life cases of strategic change, both from the perspective of established organizations as well as entrepreneurial start-ups</li> </ul>
<b>teaching methods</b>
<ul style="list-style-type: none"> <li>• Classroom discussions</li> <li>• Critical reflection of current research papers</li> <li>• Presentation of case studies and exercises</li> </ul>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Written exam, 60 minutes, 100% of the final grade
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>reading list</b>
<ul style="list-style-type: none"> <li>• Backhaus, K., Erichson, B., Plinke W., Weiber, R.: Multivariate Analysemethoden. Eine anwendungsorientierte Einführung, 11. Aufl., Berlin, 2006.</li> <li>• Diekmann, A.: Empirische Sozialforschung, 12. Aufl., Hamburg, 2004.</li> <li>• Schnell, R., Hill, P., Esser, E.: Methoden der empirischen Sozialforschung, 7. Aufl., München, 2005.</li> <li>• Research articles (will be announced during the first course session)</li> </ul>
<b>additional notes</b>
For more information, please visit Stud.IP

<b>International Accounting</b>
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<b>module number</b>
MRIEB20232-03-11-M53
<b>module title</b>
International Accounting
<b>module coordinator</b>
Prof. Dr. Christoph Pelger

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-053	5	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Tutorials 2 SWS (30 hours class instruction; 45 hours self-study)
The calculation is based on 15 semester weeks (14 lecture weeks + 1 exam week) and each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in accounting (not necessarily IFRS)
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
<p>International Financial Reporting Standards (IFRS) are the global language of business because listed companies in more than 140 countries around the world (and many large non-listed companies) are required or at least have an option to use them for preparing their financial statements.</p> <p>This course aims to provide an in-depth understanding of IFRS in terms of the institutional structure of the standard-setter, the conceptual mindset of IFRS, and selected key standards. For instance, this course covers topics such as revenue recognition, intangible assets, provisions and fair value measurement. Together with the course on Advanced International Accounting (offered in the summer term), this course aims to provide master students with a comprehensive overview of IFRS.</p>

<b>intended learning outcomes (ILOs)</b>
<p>After successful participation in this course, students</p> <ul style="list-style-type: none"> <li>• Explain the historical development of international accounting and the institutional setting of the International Accounting Standards Board (IASB).</li> <li>• Understand the conceptual mind-set of IFRS as outlined in the IASB's Conceptual Framework and characterize the interplay between framework and standards.</li> <li>• Summarize key accounting topics on recognition and measurement arising in specific standards in IFRS and apply them to examples and practical cases.</li> <li>• Assess the pros and cons associated with internationalization in accounting, IASB policies and specific concepts and standards in IFRS.</li> <li>• Develop suggestions on possible ways forward regarding IFRS standard-setting and implementation in light of practical concerns and research insights.</li> </ul>
<b>teaching methods</b>
Interactive lecture with cases and discussions; exercises in the tutorial
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100 % final exam (60 minutes)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
This course is taught in English.



<b>Reporting of Digital Business Models</b>
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<b>module number</b>
MRIEB20232-03-11-M43
<b>module title</b>
Reporting of Digital Business Models
<b>module coordinator</b>
Prof. Dr. Christoph Pelger

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-043	5	3
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class interaction; 90 hours self-study) Tutorial 1 SWS (15 hours class interaction, 15 hours self-study)
The calculation is based on 15 semester weeks (14 lecture weeks + 1 exam week) and each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge of financial accounting (not necessarily IFRS)
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
<p>Digital business models are ever more pervasive in business practice. The traditional financial reporting approaches, however, are limited in depicting the key value drivers of digital business models in a transparent and useful manner. This raises the following questions:</p> <ul style="list-style-type: none"> <li>• How informative are financial reports of (listed) companies with digital business models about their key value drivers?</li> <li>• How could financial reporting be transformed to reflect the increasing importance of digital business models?</li> </ul> <p>This course first introduces relevant International Financial Reporting Standards (IFRS) that focus on the recognition and measurement of intangible assets. Cases of listed companies with digital business models are used to reflect on the abilities and limitations of current accounting standards to provide decision-useful information. Current research is then mobilized to shed light on more general issues with the accounting for intangible assets under IFRS. Finally, current standard-setting and other regulatory developments in the area of intangible assets accounting are discussed.</p>

<b>intended learning outcomes (ILOs)</b>
<p>After successful participation in this course, students</p> <ul style="list-style-type: none"> <li>• Summarize relevant financial reporting standards on intangible assets and apply them to examples and practical cases.</li> <li>• Assess academic research on the reporting of intangible assets.</li> <li>• Outline key aspects of digital business models and assess the limits of depicting them in financial statements.</li> <li>• Analyze the financial statements of listed companies with digital business models.</li> <li>• Develop suggestions of how the financial reporting standards could be improved to provide more decision-useful information about companies with digital business models.</li> <li>• Present their insights into practical cases and research studies effectively in oral presentations and short essays.</li> </ul>
<b>teaching methods</b>
Lecture with seminar character (Interactive lecture with cases, student presentations and discussions; exercises in the tutorial)
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Individual essay(s), individual and group presentations, active participation in the sessions.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
<b>additional notes</b>
<p>The course is taught in English.</p> <p>The number of participants is limited. Prior application for this course is necessary. Information on the application process are provided on the website of the Chair of Accounting and Auditing and in Stud.IP.</p>

<b>Advanced International Accounting</b>
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<b>module number</b>
MRIEB20232-03-11-M44
<b>module title</b>
Advanced International Accounting
<b>module coordinator</b>
Prof. Dr. Christoph Pelger

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-044	5	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every summer semester	1 semester	Master students

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Tutorials 2 SWS (30 hours class instruction; 45 hours self-study)  The calculation is based on 15 semester weeks (14 lecture weeks + 1 exam week) and each SWS is included in the calculation with 60 minutes.
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in IFRS, for example through the course on International Accounting (offered in the winter term)
<b>obligatory requirements</b>
<b>language</b>
English

<b>Content</b>
<p>This course provides in-depth insights into advanced topics in international accounting. This involves insights into research on the positive and negative effects of IFRS adoption as well as the presentation of and conceptual reflection on a number of specific standards in IFRS, dealing with topics such as lease accounting, deferred taxes, or post-employment benefits. The course also covers the different relationships between companies and their treatment in IFRS, particularly focusing on the issues of control, business combinations, joint operations, and associates.</p> <p>Overall, together with the basic course on International Accounting (offered in the winter term), this course aims to provide master students with a comprehensive overview of IFRS.</p>

<b>intended learning outcomes (ILOs)</b>
<p>After successful participation in this course, students</p> <ul style="list-style-type: none"> <li>• Structure the economic consequences of IFRS adoption based on empirical research evidence and assess the overall impact of IFRS adoption.</li> <li>• Understand specific accounting topics in IFRS and apply them to examples and practical cases.</li> <li>• Classify relationships between companies (e.g., subsidiaries, joint arrangements, associates, investments) and use the relevant standards in IFRS to evaluate the financial accounting consequences.</li> <li>• Illustrate the relevance of note disclosures in financial statements.</li> <li>• Develop suggestions on possible ways forward regarding IFRS adoption, standard-setting and implementation in light of practical concerns and research insights.</li> </ul>
<b>teaching methods</b>
Interactive lecture with cases and discussions; exercises in the tutorial
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100 % final exam (60 minutes)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>reading list</b>
<b>additional notes</b>
This course is taught in English.

**Electronic Markets**

<b>module number</b>
MRIEB20232-XX-M46
<b>module title</b>
Digital Markets and Online Platforms
<b>module coordinator</b>
Prof. Dr. Jan Krämer

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
XX-VL-046	5	4
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter Semester	1 Semester	

<b>workload</b>
Lecture 2 SWS (30 hrs. attendance and 45 hrs. self-study) Tutorial 2 SWS (30 hrs. attendance and 45 hrs. self-study)  Es wird mit 15 Semesterwochen gerechnet (14 Vorlesungs- + 1 Prüfungswoche) und jede SWS geht mit 60 Minuten in die Berechnung ein.
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Gem. § 4 der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.  Basic knowledge of economics is highly recommended. Ideally, but not necessarily, basic knowledge of the Internet economy.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
The lecture lays a methodological foundation in the economics of digital markets and online platforms, while paying special attention to strategic, technological and behavioral aspects of platform design. Particularly, this includes the following topics: <ul style="list-style-type: none"> <li>• Strategies in digital markets with network effects</li> <li>• The role of openness for platform ecosystems</li> <li>• Ratings and recommender systems</li> <li>• Pricing on two-sided platforms</li> <li>• Data-driven platform design and consumer behavior</li> <li>• Competition issues in digital markets and regulation</li> </ul>

<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module “Digital Markets and Online Platforms”,</p> <ul style="list-style-type: none"> <li>• explain the current state of research on online platforms, firms' strategies in digital markets and the ongoing policy debate on regulation of digital markets.</li> <li>• interpret business models, governance and design, and competition in the Internet economy.</li> <li>• perform a complete analytical (algebraic) equilibrium analysis of game-theoretic models for competition between two-sided platforms.</li> <li>• understand the design of and computations performed by various types of recommender systems</li> <li>• illustrate how platform design decisions shape behavior of economic actors on a platform.</li> <li>• assess how different approaches in the literature contribute to a better understanding of the topic and, where appropriate, to academic or policy debates.</li> <li>• develop holistic strategies for platform businesses taking into account the idiosyncratic characteristics of digital markets.</li> </ul>
<b>teaching methods</b>
<ul style="list-style-type: none"> <li>• Interactive lecture</li> <li>• Tutorial</li> </ul>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Final exam 60 minutes - 100 %
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business. Jedes Semester/each semester
<b>reading list</b>
<ul style="list-style-type: none"> <li>• Parker, G., van Alstyne M., Choudary S. (2016). Platform Revolution. W. W. Norton &amp; Company, Inc.</li> <li>• Belleflamme, P &amp; M. Peitz (2021). The Economics of Platforms: Concepts and Strategies. Cambridge University Press.</li> </ul>
<b>additional notes</b>
<ul style="list-style-type: none"> <li>• All teaching material in English language</li> <li>• Teaching language in English</li> <li>• Replaces the course “Electronic Markets”, students who have already completed the course “Electronic Markets” (PN: 266200) cannot register for this course.</li> </ul>

**Organizational Behavior**

<b>Modulnummer</b>
MRIEB20232-XX-M47
<b>Modultitel</b>
Organizational Behavior - Unternehmensführung und Verhalten in Organisationen
<b>Modulverantwortliche/r Prüfer*innen</b>
Prof. Dr. Marina Fiedler

<b>Prüfungsnummer</b>	<b>ECTS</b>	<b>SWS</b>
XX-VL-047	5	2 (+2 für Übung)
<b>Modulangebot</b>	<b>Zeitdauer des Moduls</b>	<b>Empfohlenes Studiensemester</b>
jedes Sommersemester	1 Semester	1.-4.Semester

<b>Workload</b>
Aufteilung des Workload (zu berechnen in Stunden à 60 Minuten auf 15 Semesterwochen, d.h. 14 Vorlesungs- + 1 Prüfungswoche)
<b>Verwendbarkeit</b>
Modulgruppe E: Business
<b>Bezug zur LPO I</b>
<b>Empfohlene Voraussetzungen</b>
Gem. § 3 der Studien- und Prüfungsordnung für den Masterstudiengang International Economics and Business. Bachelor-Abschluss in einem wirtschaftswissenschaftlichen oder einem den Wirtschaftswissenschaften nahen Studiengang.
<b>Verpflichtende Voraussetzungen</b>
Keine
<b>Unterrichtssprache</b>
Deutsch

<b>Inhalt</b>
<p>Zahlreiche Untersuchungen zeigen, dass das Verhalten von Mitarbeitenden Einfluss auf so zentrale unternehmerische Kenngrößen wie Mitarbeitenden-Fluktuation, Gewinn und Umsatz hat und so nachhaltige Wettbewerbsvorteile für das Unternehmen schaffen kann.</p> <p>Ziel der Veranstaltung ist die Hervorhebung der Bedeutung und Wichtigkeit von Unternehmensführung und Verhalten in Organisationen mit besonderem Bezug auf Wandel in Organisationen.</p> <p>Hierzu werden im Wesentlichen folgende Aspekte behandelt:</p> <ul style="list-style-type: none"> <li>• Führungsstile</li> <li>• Kommunikation und Feedback</li> <li>• Verhandlungsmanagement</li> <li>• Konfliktmanagement</li> <li>• Teamwork und Diversität</li> </ul> <p>Nähere Informationen zum Modul finden sich jeweils zum Start der Veranstaltung in Stud.IP.</p>

<b>Lernergebnisse Lernziele</b>
Nach erfolgreicher Teilnahme am Modul sind die Studierenden in der Lage: <ul style="list-style-type: none"> <li>• Einflussfaktoren für das Verhalten von Führungskräften zu bestimmen</li> <li>• Zusammenhänge und Wichtigkeit von Führungsverhalten in Organisationen zu verstehen</li> <li>• Dynamiken des Verhaltens in Organisationen anhand aktueller Trends zu beurteilen</li> </ul>
<b>Lehr- und Lernformen</b>
Interaktiver Frontalunterricht Gastvorträge von Expertinnen und Experten aus der Praxis Erarbeitung von eigenen Tools zu den verschiedenen Themenbereichen
<b>Anwesenheitspflicht</b>
<b>Prüfungsleistung (Prüfungsform, Umfang, Gewichtung)</b>
Bei dieser Veranstaltung handelt es sich um eine Portfolio-Veranstaltung. Die Gesamtnote setzt sich aus zwei Teilleistungen zusammen: Teilleistung 1: Erstellung einer Gruppenarbeit, 25 Punkte Teilleistung 2: 60-minütige schriftliche Klausur, 60 Punkte Gesamtnote: Insgesamt (Teilleistung und Klausur) sind maximal 85 Punkte zu erreichen, woraus sich die Gesamtnote berechnet. Beachten Sie hierfür bitte die aktuellen Hinweise in der Veranstaltung sowie im Stud.IP.
<b>Gesamtnotenrelevanz</b>
<b>Wiederholungsmöglichkeit</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang
<b>Literatur</b>
<b>Weitere Hinweise</b>
Die Benotung der schriftlichen Stellungnahmen zu den verschiedenen Thesen soll zum einen der Umsetzung des theoretisch erlernten Stoffs in praxisrelevante Situationen dienen. Aufgrund der Thematik aus dem Bereich des Verhaltens von Mitarbeitern wäre ohne das Fördern des direkten und selbständigen Anwendens des Stoffs der für das Modul vorgesehene Lernprozess auf zu viele theoretische Komponenten beschränkt. Die praktische Anwendbarkeit wird den Studierenden häufig erst durch das aktive und selbstgesteuerte Durchdenken verschiedener Thematiken bewusst. Das eigentliche Verstehen geschieht erst dann, wenn die Studierenden dazu aufgefordert werden, auf Basis des erlernten Stoffs eigene Lösungswege für praxisrelevante Situationen und Probleme zu entwickeln. Daher soll die praxisbezogene Teilleistung den vollen Lernerfolg des Moduls bei den Studierenden begünstigen. Gleichzeitig erfolgt durch die Korrektur der eingereichten Teilleistungen eine Rückmeldung an die Studierenden über ihren Kenntnisstand und hilft somit, den Lernprozess des Moduls zu begleiten. Mögliche offene Fragen und Wissens- oder Verständnislücken können somit sehr viel zielgenauer aufgegriffen und in der Veranstaltung diskutiert werden. Gleichzeitig soll das Erarbeiten der Stellungnahmen in der Gruppe die sozialen Fähigkeiten der Studierenden trainieren. Schlüsselqualifikationen wie das Arbeiten im Team oder die Problemlösungskompetenz in der Gruppe sollen dadurch ausgebaut werden. Da es sich bei den Thesen um durchaus kritische Themen handelt (z.B. „Konflikte sind ineffizient“ oder „Die großen Leistungen in der Geschichte sind insbesondere von Individuen geschaffen worden“) soll durch die in Gruppen entstehenden Diskussionen auch die Konfliktfähigkeit der Studierenden gefördert werden. Gleichzeitig sollen die auf den Umgang mit Menschen in Organisationen zugeschnittenen Fragestellungen eine Diskussion über ethisches Verhalten von Führungskräften sowie Mitarbeitern in Unternehmen anregen. Diese Diskussionen tragen enorm zum Erreichen der Qualifikationsziele des Moduls bei und könnten im Rahmen einer Klausur nicht annähernd abgedeckt werden. Zum Ende der Veranstaltung folgt zur Überprüfung der fachlichen Kompetenzen und des erlernten theoretischen Wissens zusätzlich eine Klausur. Diese soll zur abschließenden Bewertung des Lernerfolgs der Studierenden auf individueller Basis dienen.



<b>Financial Statement Analysis</b>
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<b>module number</b>
MRIEB20232-03-11-M48
<b>module title</b>
Financial Statement Analysis
<b>module coordinator</b>
Prof. Dr. Vanessa Flagmeier

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-048	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Tutorials 2 SWS (30 hours class instruction; 45 hours self-study)
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
Basic knowledge in accounting is required.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
<p>Financial statements provide data on public corporations' economic activities and are the basis for a wide range of business analyses. Financial analysts who understand managers' disclosure strategies seize opportunities of receiving inside information from public data to evaluate a firm's current and prospective performance.</p> <p>This course presents different analysis tools using financial statements like business strategy analysis, accounting analysis, financial analysis, prospective analysis, and debt security analysis. Using these tools, students learn</p> <ol style="list-style-type: none"> <li>(1) how to generate performance expectations through industry analysis and competitive strategy analysis;</li> <li>(2) how to evaluate accounting quality by assessing accounting policies and estimates;</li> <li>(3) how to analyze performance using ratios and cash flow analysis;</li> <li>(4) how to make forecasts and value firms;</li> <li>(5) how to assess the creditworthiness of a company.</li> </ol>

<b>intended learning outcomes (ILOs)</b>
<p>Students who have successfully participated in the module „Financial Statement Analysis“,</p> <ul style="list-style-type: none"> <li>• Explain fundamental concepts of financial statement analysis and the general structure of financial statements.</li> <li>• Understand how the environment and the company's strategy can shape financial statements.</li> <li>• Apply different analysis tools like business strategy analysis, accounting analysis, financial analysis, and prospective analysis.</li> <li>• Standardise, adjust, and analyse financial statements.</li> <li>• Assess pros and cons of different valuation concepts and the implications for firm valuation.</li> <li>• Develop a critical perspective on the reporting and evaluation of companies.</li> </ul>
<b>teaching methods</b>
Lecture with seminar character and interactive elements. Tutorials and case studies with exercises.
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
100 % final exam (60 minutes)
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
<b>reading list</b>
Palepu, Healy and Peek: Business Analysis and Valuation: IFRS Standards Edition, 5 <sup>th</sup> ed., Cengage Learning, 2019
<b>additional notes</b>

<b>International Cooperation and Networks</b>
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<b>module number</b>
MRIEB20232-03-11-M49
<b>module title</b>
International Cooperation and Networks
<b>module coordinator</b>
Prof. Dr. Suleika Bort

<b>examination number</b>	<b>credit points (ECTS)</b>	<b>hours per week (SWS)</b>
03-11-VL-049	5	2
<b>availability</b>	<b>duration</b>	<b>recommended semester</b>
Every winter semester	1 semester	

<b>workload</b>
Lecture 2 SWS (30 hours class instruction; 45 hours self-study) Tutorial 2 SWS (30 hours class instruction; 45 hours self-study)
Calculation is based on: every hr./sem.-week corresponds to 60 minutes. One semester is presumed to be 15 weeks, i.e. 14 course + 1 exam week.
<b>module applicability</b>
Modulgruppe E: Business
<b>reference to the LPO I</b>
<b>recommended requirements</b>
According to § 3 of the study and examination regulations for the Master's degree program in International Economics and Business.
<b>obligatory requirements</b>
<b>language</b>
English

<b>content</b>
International cooperation and networks have drawn a substantial amount of interest in recent years. This lecture focuses on the formation, design, management and performance evaluation of international cooperation and networks. We analyze social networks and discuss how companies can form, design, management and utilize international cooperation and networks in order to gain and maintain a competitive advantage. Amongst others, central topics will be cooperation formation motives, partner selection, governance, and design, management and performance evaluations as well as the analysis of social networks via the UCInet software.
<b>intended learning outcomes (ILOs)</b>
Students who have successfully participated in the Module „International Cooperation and Networks“ <ul style="list-style-type: none"> <li>explain fundamental concepts of corporate cooperations and networks as well as assumptions and mechanics of the main fundamental theories and framework to apply them, especially in an international setting.</li> </ul>

<ul style="list-style-type: none"> <li>• interpret recent developments in “International Cooperations and Networks” in the light of these theories, scientific literature, and apply them to contemporary real-world examples.</li> <li>• perform case study analysis of suitable companies with the help of an active application of theoretical and practical knowledge gathered in this course.</li> <li>• illustrate key elements of a life cycle of a network or cooperation, which includes the formation, design, management, performance evaluation and termination of this network or cooperation.</li> <li>• assess the role of trust, negotiations, and decision making-processes in international cooperations and networks and the relevance of these behavioral processes for business in an international context as well as reflection on the benefits and challenges of cooperation and networks.</li> <li>• develop criteria for a critical and independent evaluation and interpretation of related scientific findings as well as specific administrative situations in cooperation and networks that enable them to formulate, critically appraise, and argue for practical and theoretical solutions for when encountering typical issues of International Cooperation and Networks.</li> </ul>
<b>teaching methods</b>
<ul style="list-style-type: none"> <li>• Mix of asynchronous virtual and interactive on-site lectures</li> <li>• Discussion of questions, readings and case studies linked to the topic of international cooperation and networks</li> <li>• Tutorial with exercises, group work and student presentations</li> </ul>
<b>required attendance</b>
<b>examination (type of examination, scope)</b>
Portfolio. Detailed information will be provided in the first lecture.
<b>overall grade relevance</b>
<b>possibility of retake exam</b>
Gem. der Prüfungs- und Studienordnung für den Masterstudiengang International Economics and Business.
<b>reading list</b>
<b>additional notes</b>
Guest lectures may be offered.
Lecture and exercise classes will be held in English.