Modulhandbuch
für den
Masterstudiengang
International Business and Resources in Emerging Markets

Inhaltsverzeichnis

Abkürzungen	3
Advanced Business Ethics	4
Advanced Macroeconomics	5
Applied Econometrics	6
Business Economics of Cyber Risks	7
Business Negotiation Management	9
Climate Change Economics	11
Commodity Marketing	12
Competition Policy and Intellectual Property Rights	13
Corporate Sustainability and Integrated Management Systems	15
Decision Support Systems	17
Deutsch A1/ 1. Semester	19
Deutsch A1/ 2. Semester	20
Deutsch A2/ 1. Semester	21
Deutsch A2/ 2. Semester	22
Deutsch B1/ 1. Semester	23
Deutsch B1/ 2. Semester	24
Deutsch B2/ 1. Semester	25
Deutsch B2/ 2. Semester	26
Economics of Emerging Markets	27
Empirical Macroeconomics	28
Environmental Management and Policies	29
Financial and Sustainability Reporting, Financial Planning and Business Valuation	30
Financial Management in Emerging and Developing Countries	32
History of the Environment	33
Human Resource Management and Organizational Behavior	34
Information Management	36
Innovation Analysis and Management	38
International Business and Management	39
International Economics	42
International Law of Resources, Environment and Trade	43
Internship [IBRE]	44
Introduction to Mining	45
Introduction to Sustainable Development Goal 12 and Responsible Consumption and Production	46
Master's thesis [MBA IBRE]	48
Material Flow Analysis and Life Cycle Assessment	50
Methods of Scientific Analysis	52
Operations Management	54
Plant Economics and Technology	55
Professional Communication	57
Reclamation	59
Resource Management	60
Resources and Development	62
Seminar Behavioral and Business Ethics	64
Seminar Energy, Resource and Environmental Management	66
Seminar International Business	68
Strategies of the Resource Industry	69
Supply Chain Management	71

Abkürzungen

KA: schriftliche Klausur / written exam
MP: mündliche Prüfung / oral examination
AP: alternative Prüfungsleistung / alternative examination
PVL: Prüfungsvorleistung / prerequisite
MP/KA: mündliche oder schriftliche Prüfungsleistung (abhängig von Teilnehmerzahl) / written or oral examination (dependent on number of students)

SS, SoSe: Sommersemester / sommer semester
WS, WiSe: Wintersemester / winter semester

SX: Lehrveranstaltung in Semester X des Moduls / lecture in module semester x

SWS: Semesterwochenstunden

Data:	ADVBETH. MA. / Examination number: 62501	Version: 06.05.2022	Start Year: WiSe 2022
Module Name:	**Advanced Business Ethics**		
(English):			
Responsible:	Walkowitz, Gari / Prof. Dr.		
Lecturer(s):	Walkowitz, Gari / Prof. Dr.		
Institute(s):	Professor of Business Ethics		
Duration:	1 Semester(s)		
Competencies:	Students 1) develop a philosophical, psychological, and economic understanding of human decision-making in dilemma situations, especially in organizations and markets, 2) understand advanced, specialized theories, 3) learn methods for analyzing influencing factors (e.g., personal dispositions, situational factors, incentive structures) in ethically relevant decision-making, 4) apply their acquired knowledge to relevant case studies, 5) assess their own decision process in self- and external reflection and identify development potentials, 6) derive implications for the design of institutions, 7) gain experience in developing their own research questions and in applying empirical methods in business ethics.		
Contents:	This module introduces basic concepts of behavioral ethics and applies them to decision making by managers and employees. It draws on theories of normative ethics, as well as on behavioral theories and empirical findings from social psychology and behavioral economics. Against the background of these foundations, individual and collective decisions in organizations and in markets (e.g., against the background of sustainability, human rights, and environmental protection considerations) are analyzed and evaluated. Case studies are used to illustrate and apply the theoretical concepts.		
Literature:	Scientific articles De Cremer, D., & Tenbrunsel, A. E. (Eds.). (2012). Behavioral business ethics: Shaping an emerging field. Routledge.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** Einführung in die Unternehmens- und Wirtschaftsethik, 2023-02-16		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. The private studies consist of preparation and repetition for/of lectures and tutorials as well as the preparation for the exam.		

Data:	VMAKROOE. MA. / Examination number: 61428	Version: 10.07.2025	Start Year: WiSe 2022
Module Name:	**Advanced Macroeconomics**		
(English):			
Responsible:	Czudaj, Robert / Prof. Dr.		
Lecturer(s):	Czudaj, Robert / Prof. Dr.		
Institute(s):	Professor of Economics		
Duration:	1 Semester(s)		
Competencies:	Students gain insight into macroeconomic theory and learn to understand macroeconomic relationships.		
Contents:	IS-LM model; Phillips curve; IS-LM-PC model; Solow model; financial markets and expectations; expectation formation, consumption and investment; goods and financial markets in an open economy; production, interest rate and exchange rate; exchange rate regimes.		
Literature:	Blanchard, O.: Macroeconomics, Global Edition, 8th Edition, Pearson, 2020.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** Makroökonomik, 2021-12-13		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. The private studies consist of preparation and repetition for/of lectures and exercises as well as the preparation for the exam.		

Data:	EcMet. MA. Nr. / Examination number: 62012	Version: 17.06.2025	Start Year: WiSe
Module Name:	**Applied Econometrics**		
(English):	Applied Econometrics		
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):			
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	Students acquire competence of reading and conducting own econometric analysis for hypothesis testing. They develop scientific research questions and testable hypothesis from theories they have learned before and developed during the seminar. This way, they can deepen and condense the knowledge they acquired in their studies. The form of a seminar allows students to acquire communication and cooperation competencies on the subjects of International Business at large and develop their own opinion about the subjects in relation to the existing academic schools of thought.		
Contents:	Students generate data and acquire data from public databases to be used for empirical analysis based on scientific resesrch questions and hypotheses. In team work and flipped classroom style, students learn to understand and conduct causal analysis using software, such as R. Thsi includes multiple regression analysis (OLS and ML) with quantitative and qualitative data, in form of cross section, time series and panel data. Post-estimation tests for e.g. heteroskedasticity, multicollinearity, and autocorrelation are used to understand the quality of the empirical analysis.		
Literature:	Scott Cunningham, Causal Inference. Yale University Press. Jeffrey M. Wooldridge, Introductory Econometrics - A Modern Approach.		
Types of Teaching:	S1 (WS): Seminar (4 SWS) The order of the module semesters is flexible.		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Project paper [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Hausarbeit [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP: Project paper [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	CYBRI. MA. / Examination number: 60918	Version: 18.11.2025	Start Year: WiSe 2025
Module Name:	**Business Economics of Cyber Risks**		
(English):			
Responsible:	Wiens, Marcus / Prof. Dr.		
Lecturer(s):	Wiens, Marcus / Prof. Dr.		
Institute(s):	Professor of Innovation and Risk Management		
Duration:	1 Semester(s)		
Competencies:	Students learn a systematic approach to analyzing cyber risks from a business economics perspective. They are able to distinguish between different levels and categories of cyber risks and classify their current empirical relevance in an industrial context. The second part of the module enables students to model, analyze, and evaluate cyber risks using economic methods (including cost estimates). Students learn how to use game theory models and apply business analytics methods. They are able to analyze the behavioral economic and psychological implications of cyber risks from the user's perspective and derive measures for risk management and digitization strategies.		
Contents:	The module begins by teaching the essential economic fundamentals of cyber risks (as well as “adverse risks” in general) and provides an overview of the current relevance of these risks for various industries based on empirical studies. The second part covers the economic and information-theoretical modeling of cyber risks based on cyber threat intelligence, attack trees, and game theory concepts such as defender-attacker games and interdependent security games. The third part covers the possibilities and limitations of an economic assessment of these risks, presents approaches for efficient risk reduction (e.g., “affordable cybersecurity”), and derives requirements for secure digitization strategies. The last part of the module looks at cyber risks from a behavioral economics and psychological perspective. It examines the role of risk perception, risk awareness, and the acceptance of risk-reducing measures by users and analyzes them on the basis of experimental studies.		
Literature:	Aldasoro, I.; Gambacorta, L.; Giudici, P. & Leach, T. (2020). The Drivers of Cyber Risk. BIS Working Papers, No. 865. Banks, D. L.; Aliaga, J. M. R. & Insua, D. R. (2015). Adversarial Risk Analysis. Chapman and Hall. Bartholomae, F.W. & Wiens, M. (2024). Game Theory & Applications – A Guide for Students and Researchers. Wiesbaden: Springer-Gabler (1st Edition 2024). Woods, D. W. & Böhme, R. (2020). Systematization of Knowledge: Quantifying Cyber Risk. Proceedings of the 2021 IEEE Symposium on Security & Privacy.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** Risikoanalyse und Resilienz von Systemen, 2022-01-14		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		

Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. Letzteres umfasst Vor- und Nachbereitung von Vorlesung und Übung sowie Klausurvorbereitung.

Data:	BNM MA. / Examination number: 62506	Version: 16.02.2023	Start Year: SoSe 2023
Module Name:	**Business Negotiation Management**		
(English):			
Responsible:	Walkowitz, Gari / Prof. Dr.		
Lecturer(s):	Walkowitz, Gari / Prof. Dr.		
Institute(s):	Professor of Business Ethics		
Duration:	1 Semester(s)		
Competencies:	Students are able to describe negotiation processes on the basis of the theory they have learned and to compare and evaluate different negotiation strategies. They are able to transfer concepts of negotiation management into practice, i.e. they know how to assess negotiation situations correctly, how to design suitable strategies - adapted to the situation - and how to apply them. The theory is taught in an application-oriented manner, whereby students go through the negotiation process themselves in extensive role-plays and are able to critically compare, evaluate, and optimize their negotiation strategies and outcomes.		
Contents:	The module is designed to provide students with advanced theoretical and application-oriented knowledge about negotiations. The theory of negotiation includes: 1) Analysis of different negotiation strategies, 2) Cooperative negotiation management, 3) Identification and assessment of potential negotiation mistakes, 4) Approaches to avoid negotiation mistakes, 5) Identification of pitfalls that lead to inefficient solutions on both sides, 6) Learning how to influence a negotiation partner, 7) The precise preparation of a negotiation tailored to the subject of the negotiation, 8) Use of adequate body language, 9) Use of modern internet-based means of communication in negotiation preparation, implementation, and analysis, 10) Use of suitable presentation techniques		
Literature:	Bazerman, M. H., & Neale, M. A. (1993). Negotiating rationally. Simon and Schuster. Fisher, R., Ury, W. L., & Patton, B. (2011). Getting to yes: Negotiating agreement without giving in. Penguin. Shapiro, D. (2018): Verhandeln: Die neue Erfolgsmethode aus Harvard, 1. Aufl., Campus Verlag.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Seminar (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: in examination variant 1: KA or in examination variant 2: AP*: Seminar paper AP*: Defense The number of participants in the course in the second week of the lecture period is used to determine the type of examination performance. If there are more than 18 participants the examination variant 1 (KA) will apply. Otherwise examination variant 2 will apply. * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen		

	der Modulprüfung. Die Modulprüfung umfasst: in Prüfungsvariante 1: KA oder in Prüfungsvariante 2: AP*: Seminararbeit AP*: Verteidigung Die Anzahl der Teilnehmer wird in der zweiten Vorlesungswoche bestimmt. Bei mehr als 18 Teilnehmern wird die Prüfungsvariante 1 (KA) festgelegt, ansonsten die Prüfungsvariante 2. * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.
Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): in examination variant 1: KA [w: 1] or in examination variant 2: AP*: Seminar paper [w: 3] AP*: Defense [w: 2] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. The private studies consist of preparation and repetition for/of lectures and tutorials as well as the preparation for the exam.

Data:	CCE. MA. / Examination number: 60319	Version: 23.01.2020	Start Year: SoSe 2017
Module Name:	**Climate Change Economics**		
(English):			
Responsible:	Rübbelke, Dirk / Prof. Dr.		
Lecturer(s):	Rübbelke, Dirk / Prof. Dr.		
Institute(s):	Professor of Economics, esp. Environment and Resource Economics		
Duration:	1 Semester(s)		
Competencies:	Students will be able to understand the key aspects of climate change economics. National as well as international issues will be covered.		
Contents:	Among the topics are the economics of adaptation to and mitigation of climate change, international negotiations, climate finance.		
Literature:	Buchholz, W., & Rübbelke, D. (2019). Foundations of Environmental Economics. Springer Texts in Business and Economics. Gintis, H. (2009). Game Theory Evolving: A Problem-Centered Introduction to Modeling Strategic Interaction. Princeton University Press. Perman, R. et al. (2011), Natural Resource & Environmental Economics, Pearson. Tol, R.S.J. (2014), Climate Economics, Edward Elgar. Markandya, A. Galarraga, I. & Rübbelke, D.T.G. (2017), Climate Finance, World Scientific.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** Economic Theory: Micro-Economics, 2016-07-12		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA: Written test [60 min] AP: Presentation		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA: Schriftliche Klausurarbeit [60 min] AP: Präsentation		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA: Written test [w: 4] AP: Presentation [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. Self-studies include assignments, preparation and wrapping up of lectures as well as the preparation of presentations and of examinations.		

Data:	COMMAR MA Nr. / Examination number: 60415	Version: 15.06.2022	Start Year: SoSe 2021
Module Name:	**Commodity Marketing**		
(English):			
Responsible:	Leischnig, Alexander / Prof. Dr.		
Lecturer(s):	Leischnig, Alexander / Prof. Dr.		
Institute(s):	Professor of Business-to-Business Marketing		
Duration:	1 Semester(s)		
Competencies:	After successful completion of this module, students should have an advanced understanding of the role and nature of commodities and the processes of commoditization and de-commoditization. Students should be able to recognize commodity traps and explain drivers of commoditization. In addition, they should be able to explain de-commoditization approaches and develop strategies to implement them.		
Contents:	The module will discuss the fundamentals of commodities and commodity marketing and outline different concepts, frameworks, and approaches associated with the processes of commoditization and de-commoditization. It will approach the topic from different perspectives and integrate them to develop a comprehensive understanding of commodity marketing.		
Literature:	d'Aveni, R. A. (2010). Beating the commodity trap: How to maximize your competitive position and increase your pricing power. Harvard Business Press. Enke, M., Geigenmüller, A., & Leischnig, A. (2022): Commodity marketing. Strategies, concepts, and cases. Springer. Homburg, C., Kuester, S., & Krohmer, H. (2013). Marketing management: a contemporary perspective. McGraw-Hill Higher Education.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	COMIPR. MA. Nr. 2078 / Examination number: 62002	Version: 09.03.2023	Start Year: SoSe 2009
Module Name:	**Competition Policy and Intellectual Property Rights**		
(English):			
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):	Stephan, Johannes / Prof. Dr.		
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	This module is split into two sections. The objective of the first section is to make students aware of the role of market-competition and competition policy for economic catch-up development with a focus on emerging markets. In particular, the pros and cons of competition law enforcement in emerging markets, as discussed in academia and the (international) political sphere, are critically reviewed and discussed with a view on developing an own educated opinion. The objective of the second section is to make students aware of the two faces of IPR protection (copyright, trademark, trade secrets, and patents): the protection of IPR as a driver of investment, research and development, as well as innovation on the one side, and IPR as a hindrance to the dissemination, use of knowledge, and of competition on the other. In addition, the discussion of the design of IPR regimes focuses on how enterprises in catch-up economies can use IPR regimes to excel in international competitiveness. Students develop an own educated opinion of the form and function of forward looking institution of an IPR regime that balances the needs of both sides of the IPR market.		
Contents:	Course I: Market-competition and competition policy I.1 The economic analysis of competition I.1.1 Conceptual approaches to competition I.1.2 Economic effects of competition I.1.3 Competition and market structure, oligopoly-theory I.2 Competition policy for emerging markets I.2.1 The goals of competition policy I.2.2 Competition as an engine of technological economic growth I.2.3 Socialist planning as an alternative to competition? I.2.4 The concept of Developmental States Course II: The economics of intellectual property rights II.1 Characterisation of intellectual property (IP) II.1.1 The motivation for IP and its significance II.1.2 Patents and IPR regimes II.2 The economic rationales for IPR regimes II.2.1 The goods-character of IP II.2.2 The investment, R&D, and innovation incentive II.2.3 The knowledge-dissemination incentive II.2.4 The resource-allocation incentive of IPR protection II.3 IPR protection and the protection of competition II.3.1 IPR regime as part of a competition regime II.3.2 Patent thicket, patent trolls, etc. II.4 IPR regime and economic development II.4.1 International agreements on IPR (TRIPS, etc.) II.4.2 Development-oriented IPR regimes		

Literature:	Course I Fox, E. (2003) Abuse of dominance and monopolisation: How to protect competition without protecting competitors, EUI-RSCAC Hayek, F.A. (1944), The Road to Serfdom, Routledge: “Why the worst get on top”; “Panning vs. the rule of law”; “Is planning ‘inevitable’?” Lipzynski, J. and J. Wilson (2001), ‘Chapter 1: Industrial organisation: an introduction’, in: *Industrial Organisation: An Analysis of Competitive Markets*, FT Prentice Hall Person Education, pp. 1-13 Lipzynski, J. and J. Wilson (2001), ‘Chapter 11: Competition policy’, in: *Industrial Organisation: An Analysis of Competitive Markets*, FT Prentice Hall Person Education, pp. 347-378 Singh, A. (2002), *Competition and Competition Policy in Emerging Markets: International and Developmental Dimensions*, UNCTAD G-24 Discussion Paper No. 18. (available online: http://www.unctad.org/en/docs/gdsmdpbg2418_en.pdf) Course II Andersen, B. (2003), ‘If ‘intellectual property rights’ is the answer, what is the question? Revisiting the patent controversies’, Econ. Innov. New Techn., 13(5), pp. 417-442 Netanel, N.W. (2009) (ed.), Chapter 1: Introduction, in “The Development Agenda; global intellectual property and developing countries”. New York: Oxford University Press, pp. 1-29. Stiglitz, Joseph E. (2004), Towards a pro-developmental and balanced IPR regime, Columbia University, mimeo. UNCTAD (2002) Competition policy and the exercise of intellectual property rights, TD/B/COM.2/CLP/22/Rev.1.
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)
Pre-requisites:	**Recommendations:** Knowledge of micro-economics and macro-economics at Bachelor level equivalent to 6 ECTS points each is required to be able to follow teaching and tutorials in the module and successfully complete the module.
Frequency:	yearly in the summer semester
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [60 min] PVL: Case studies presentations and accompaying papers PVL have to be satisfied before the examination.
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [60 min] PVL: Fallstudienvorträge und Hausarbeiten PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.
Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	CSRM. MA. Nr. 2908 / Examination number: 62411	Version: 06.07.2023	Start Year: WiSe 2023
Module Name:	**Corporate Sustainability and Integrated Management Systems**		
(English):			
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Glöser-Chahoud, Simon / Prof.		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	The students are able to identify and solve fundamental problems of sustainability management, accounting and reporting. Building upon major high-level-structure management systems of the International Standard Organization (ISO), the students are capable to describe relevant procedures and processes for the implementation and integration of respective management approaches. The students know about current requirements of corporate sustainability reporting (CSR) and environmental, social and governance (ESG) analysis. The students are capable to identify and extract key performance indicators of corporate sustainability from respective management systems and apply them to meet current reporting standards.		

Contents:	Among others, the course comprises the following topics:
	• Origins of the sustainability concept and relevance for current businesses
	• Legal requirements and current standards of CSR and ESG reporting
	• ISO high level structure integrated management systems and their relevance for sustainability reporting:
	  ◦ Environmental Management (ISO 14001)
	  ◦ Energy Management (ISO 50001)
	  ◦ Occupational Health and Safety Management Systems (ISO 45001)
	  ◦ Quality Management (ISO 9001)
	  ◦ Risk Management (ISO 31000)
	  ◦ Guidance on Social Responsibility (ISO 26000)		

Literature:	• Brockett, Ann, and Zabihollah Rezaee (2012): Corporate sustainability: Integrating performance and reporting, John Wiley & Sons. • Okpara, Idowu (Eds., 2013): Corporate Social Responsibility, Springer • Bugdol, M. (2015). Integrated management systems. Springer.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		

Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	EU. MA. Nr. 2966 / Examination number: 60509	Version: 25.08.2025	Start Year: SoSe 2025
Module Name:	**Decision Support Systems**		
(English):			
Responsible:	Felden, Carsten / Prof. Dr.		
Lecturer(s):	Felden, Carsten / Prof. Dr.		
Institute(s):	Institute of IManagement Information Systems		
Duration:	1 Semester(s)		
Competencies:	The lecture held in English language provides a widespread overview concerning the support of decision making from a theoretical and practical point of view. The theoretical basis comprises the System and Decision Theory as well as Business Intelligence. The individual situations lead to numerous concepts, methods and algorithms of decision making support. The practically relevant examples are meant to support the students theoretical and practical understanding of the system theory based context of support in decision making. This should qualify them to use the right methods and tools (methods and models) in real life situations.		
Contents:	1. Introduction to Decision Support 2. Data Preparation and Decision Making 3. System Thinking 4. Modeling and Analysis 5. The Essentials of Business Intelligence 6. Fundamentals of Data Visualizations and Visual Analytics 7. Data Visualization Tools 8. Types of Data Visualization Techniques 9. International Business Communication Standards (IBCS) 10. Data Visualization in Big Data 11. Dashboard Design 12. Debiasing		
Literature:	Turban E.: Decision Support and Business Intelligence Systems, 8th Edition: Prentice Hall, 2007. ISBN-10: 0131986600 Andrienko, N., G. Andrienko, G. Fuchs, A. Slingsby, C. Turkay, and S. Wrobel: Visual Analytics for Data Scientists: Publisher: Springer Nature Switzerland AG, 2020. ISBN: 978-3-030-56145-1 Telea, A.C.: Data Visualization: Principles and Practice: CRC Press, Taylor &Francis Group, 2015. ISBN: 9781466585263 Aspin A.: Pro Power BI Dashboard Creation: Building Elegant and Interactive Dashboards with Visually Arresting Analytics: Apress Media LLC, 2022. ISBN-13: 978-1-4842-8226-7 Sànchez-Marrè M.: Intelligent Decision Support Systems: Springer 2023. ISBN 978-3-030-87789-7 Chantre G.R., González-Andújar J.L.: Decision Support Systems for Weed Management: Springer 2020. ISBN 978-3-030-44401-3 KKhan A.: Visual Analytics for Dashboards: Apress 2024. ISBN-13:979-8-8688-0118-1		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min] PVL: Case Study		

	PVL have to be satisfied before the examination.
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Fallstudie PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.
Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. The private studies consist of preparation and repetition for/of lectures and tutorials as well as the preparation for the exam.

Daten:	DEU A1/ 1.Sem. BA. Nr. 948 / Prüfungs-Nr.: 71101	Stand: 04.08.2017	Start: WiSe 2016
Modulname:	**Deutsch A1/ 1. Semester**		
(englisch):	German A 1/ 1st Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Im Kurs werden Grundlagen in Phonetik, Orthographie, Grammatik und Lexik vermittelt. Die Teilnehmer erwerben Grundkenntnisse und Grundfertigkeiten im Hören, Sprechen, Lesen und Schreiben auf der Basis der Allgemeinsprache sowie landeskundliche Kenntnisse.		
Inhalte:	Kommunikation im Alltag (Menschen kennen lernen, Einkaufen, Restaurantbesuch, Tagesabläufe, Uhrzeit); Grammatik: zum Beispiel Fragestellungen, Zahlen, Konjugation der Verben, Präsenz und Präteritum, Mengenangaben, Plural der Nomen, Komposita		
Typische Fachliteratur:	Begegnungen A1+, Schubert Verlag		
Lehrformen:	S1 (WS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Empfohlen:** Keine Vorkenntnisse der deutschen Sprache notwendig		
Turnus:	jährlich im Wintersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Aktive Teilnahme an mindestens 80% des Unterrichts PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): KA [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium.		

Daten:	DEU A1/ 2. Sem. BA. Nr. 949 / Prüfungs-Nr.: 71102	Stand: 04.08.2017	Start: SoSe 2017
Modulname:	**Deutsch A1/ 2. Semester**		
(englisch):	German A1/ 2nd Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Im Kurs werden Grundlagen in Phonetik, Orthographie, Grammatik und Lexik vermittelt. Die Teilnehmer erwerben Grundkenntnisse und Grundfertigkeiten im Hören, Sprechen, Lesen und Schreiben auf der Basis der Allgemeinsprache sowie landeskundliche Kenntnisse.		
Inhalte:	Orientierung in der Stadt beziehungsweise in der Firma, öffentliche Verkehrsmittel, Wegbeschreibung, Berufe und Arbeitsalltag, Körper und Gesundheit, Wohnungssuche und -einrichtung, Lebenslauf, Kleidung; Grammatik: zum Beispiel Präpositionen, Frageartikel, Modalverben, Possessivartikel, Perfekt, Konjunktionen, Demonstrativpronomen, Graduierung und Komparativ		
Typische Fachliteratur:	Begegnungen A1+, Schubert Verlag		
Lehrformen:	S1 (SS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch A1/ 1. Semester, 2015-08-26 oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Sommersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Aktive Teilnahme an mind. 80% des Unterrichts PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): KA [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium. Der Zeitaufwand beträgt 120 Stunden und setzt sich zusammen aus 60 Stunden Präsenzzeit und 60 Stunden Selbststudium.		

Daten:	DEU A2/1. Sem. BA.Nr. 950 / Prüfungs-Nr.: 71103	Stand: 04.08.2017	Start: WiSe 2016
Modulname:	**Deutsch A2/ 1. Semester**		
(englisch):	German A2/ 1st Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Die Teilnehmer erweitern ihre Kenntnisse zu Grundlagen der deutschen Grammatik sowie ihren allgemeinsprachlichen Wortschatz und führen Gespräche zu verschiedenen Themen des Alltags.		
Inhalte:	Familie und Verwandtschaft, Feste und Feiern in Deutschland, Wohnung und Wohnungseinrichtung, Schule und Ausbildung, Aussehen und Mode, Jahreszeiten, Wetter und Urlaub, Aspekte der Geschichte (Deutschland, Österreich, Schweiz); Grammatik: z.B. Nebensätze mit weil, wenn, dass; Rektion der Verben; Ordinalzahlen; Präpositionen; Reflexivpronomen; Zukunft ausdrücken; Adjektivdeklination		
Typische Fachliteratur:	Begegnungen A2+, Schubert Verlag		
Lehrformen:	S1 (WS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch A1/ 2. Semester, 2015-08-26 oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Wintersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Aktive Teilnahme an mind. 80% d. Unterrichts PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): KA [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium.		

Daten:	DEUA/2.Sem BA.Nr. 951 / Prüfungs-Nr.: 71105	Stand: 26.08.2015	Start: SoSe 2017
Modulname:	**Deutsch A2/ 2. Semester**		
(englisch):	German A2/ 2nd Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Die Teilnehmer erweitern ihre Kenntnisse zu Grundlagen der deutschen Grammatik sowie ihren allgemeinsprachlichen Wortschatz und führen Gespräche zu verschiedenen Themen des Alltags.		
Inhalte:	Freizeitaktivitäten (Sport, Vereine), Arbeit und Arbeitssuche, Politik in Deutschland, Städte (Leipzig, Berlin), Verkehr und Verkehrsmittel, Medien, Fernsehen in Deutschland, Kulturelle Unterschiede; Grammatik: z.B. Indefinita, Relativsätze, Nebensätze mit bevor, bis, als, deshalb, wenn, Konjunktiv II,		
Typische Fachliteratur:	Begegnungen A2+, Schubert Verlag		
Lehrformen:	S1 (SS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch A2/ 1. Semester, 2015-08-26 oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Sommersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Aktive Teilnahme an mind. 80% d. Unterrichts PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): KA [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium.		

Daten:	DEUB1/1.Sem. Nr. 952 / Prüfungs-Nr.: 71104	Stand: 04.08.2017	Start: WiSe 2016
Modulname:	**Deutsch B1/ 1. Semester**		
(englisch):	German B1/ 1st Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Die Teilnehmer bauen die in den Modulen Deutsch A1 und A2 erworbenen sprachlichen Kenntnisse und Fertigkeiten unter besonderer Berücksichtigung der mündlichen Kommunikation aus. Sie wiederholen und erweitern ihren Wortschatz. Auf der Basis aktueller und historischer Texte erhalten die Teilnehmer landeskundliche Informationen über die Bundesrepublik Deutschland.		
Inhalte:	Zusammenleben der Menschen in Deutschland (Wohn- und Lebensformen, Vorstellungen über berufliche Entwicklung und Freizeitgestaltung, Konsumverhalten, Beziehung zur Natur)		
Typische Fachliteratur:	Begegnungen B1+, Schubert Verlag		
Lehrformen:	S1 (WS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch A2/ 2. Semester, 2015-08-26 oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Wintersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Aktive Teilnahme an mind. 80% d. Unterrichts PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): KA [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium.		

Daten:	DEUB1/2. Sem. 953 / Prüfungs-Nr.: 71106	Stand: 26.08.2015	Start: SoSe 2017
Modulname:	**Deutsch B1/ 2. Semester**		
(englisch):	German B1/ 2nd Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Die Teilnehmer bauen die in dem Modul Deutsch b1/1.Semster erworbenen sprachlichen Kenntnisse und Fertigkeiten unter besonderer Berücksichtigung der mündlichen Kommunikation aus. Sie wiederholen und erweitern ihren Wortschatz. Auf der Basis aktueller und historischer Texte erhalten die Teilnehmer landeskundliche Informationen über die Bundesrepublik Deutschland.		
Inhalte:	Zusammenleben der Menschen in Deutschland (Wohn- und Lebensformen, Vorstellungen über berufliche Entwicklung und Freizeitgestaltung, Konsumverhalten, Beziehung zur Natur)		
Typische Fachliteratur:	Begegnungen B1+, Schubert Verlag		
Lehrformen:	S1 (SS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch B1/ 1.Semester, 2015-08-26 oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Sommersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Aktive Teilnahme an mind. 80% d. Unterrichts PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): KA [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium.		

Daten:	B2.1 BA. Nr. 3636 / Prüfungs-Nr.: 70311	Stand: 05.05.2022	Start: WiSe 2016
Modulname:	**Deutsch B2/ 1. Semester**		
(englisch):	German B2/ 1st Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Die Teilnehmer bauen ihre sprachlichen Kenntnisse und Fertigkeiten auf dem Niveau B2.1 aus. Mithilfe handlungsorientierter Aufgaben und Aktivitäten entwickeln die Teilnehmer ihre Kenntnisse zu Lernstrategien, Grammatik, Wortschatz, Landeskunde und interkulturellen Aspekten weiter. Die Teilnehmer verstehen den Hauptinhalt komplexer, authentischer Texte. Sie können längeren Redebeiträgen folgen und sich spontan und fließend verständigen. Sie können sich zu einem breiten Themenbereich klar und detailliert ausdrücken, ihren Standpunkt erläutern und die Vor- und Nachteile verschiedener Möglichkeiten angeben.		
Inhalte:	globales, selektives, detailliertes Hör- und Leseverstehen; Halten eines strukturierten Kurzvortrags, Textproduktion, z.B. Grafikbeschreibung, Erörterung, mündliche und schriftliche Stellungnahme; sprachliche Strukturen und Wortschatz gemäß Lehrmaterial (u.a. Satzbau, verschiedene Satzkombinationen, Passivformen, Nominalisierung, Wortbildung)		
Typische Fachliteratur:	Kompass DaF B2.1 (Klett Verlag)		
Lehrformen:	S1 (WS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch B1/ 2.Semester oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Wintersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Portfolioprüfung bestehend aus 4 Teilen zum Nachweis aller Sprachfertigkeiten (Hörverstehen, Leseverstehen, Sprechen, Schreiben) AP: Aufgaben und aktive Teilnahme an mind. 80% d. Unterrichts		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): AP: Portfolioprüfung bestehend aus 4 Teilen zum Nachweis aller Sprachfertigkeiten (Hörverstehen, Leseverstehen, Sprechen, Schreiben) [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium. Letzteres umfasst die Vor- und Nachbereitung von Lehrveranstaltungen sowie die Vorbereitung der Aufgaben und der Prüfungsleistung.		

Daten:	B2.2 BA. Nr. / Prüfungs-Nr.: 70312	Stand: 05.05.2022	Start: SoSe 2017
Modulname:	**Deutsch B2/ 2. Semester**		
(englisch):	German B2/ 2nd Semester		
Verantwortlich(e):	Polanski, Katja		
Dozent(en):			
Institut(e):	Internationales Universitätszentrum/ Sprachen		
Dauer:	1 Semester		
Qualifikationsziele / Kompetenzen:	Die Teilnehmer bauen ihre sprachlichen Kenntnisse und Fertigkeiten auf dem Niveau B2.2 aus. Mithilfe handlungsorientierter Aufgaben und Aktivitäten entwickeln die Teilnehmer ihre Kenntnisse zu Lernstrategien, Grammatik, Wortschatz, Landeskunde und interkulturellen Aspekten weiter. Die Teilnehmer verstehen den Hauptinhalt komplexer, authentischer Texte. Sie können längeren Redebeiträgen folgen und sich spontan und fließend verständigen. Sie können sich zu einem breiten Themenbereich klar und detailliert ausdrücken, ihren Standpunkt erläutern und die Vor- und Nachteile verschiedener Möglichkeiten angeben.		
Inhalte:	Schriftliches und mündliches Zusammenfassen von Texten; informelle/ formelle E-Mails schreiben; Grafikinterpretation; in einer Diskussion Tatsachen, Meinungen und Argumentation erkennen, auf Redebeiträge eingehen und eigene Redebeiträge halten; Grammatik und Wortschatz gemäß Lehrmaterial (u.a. Textzusammenhang; Partizipien als Adjektiv, indirekte Rede, Konjunktiv I & II, Modalsätze; Passiversatz; Wortbildung; Nomen-Verb-Verbindungen)		
Typische Fachliteratur:	Kompass DaF B2.2 (Klett Verlag)		
Lehrformen:	S1 (SS): Übung (4 SWS)		
Voraussetzungen für die Teilnahme:	**Obligatorisch:** Deutsch B2/ 1. Semester, 2016-04-04 oder äquivalente Sprachkenntnisse		
Turnus:	jährlich im Sommersemester		
Voraussetzungen für die Vergabe von Leistungspunkten:	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Portfolioprüfung bestehend aus 4 Teilen zum Nachweis aller Sprachfertigkeiten (Hörverstehen, Leseverstehen, Sprechen, Schreiben) AP: Aufgaben und aktive Teilnahme an mind. 80% d. Unterrichts		
Leistungspunkte:	4		
Note:	Die Note ergibt sich entsprechend der Gewichtung (w) aus folgenden(r) Prüfungsleistung(en): AP: Portfolioprüfung bestehend aus 4 Teilen zum Nachweis aller Sprachfertigkeiten (Hörverstehen, Leseverstehen, Sprechen, Schreiben) [w: 1]		
Arbeitsaufwand:	Der Zeitaufwand beträgt 120h und setzt sich zusammen aus 60h Präsenzzeit und 60h Selbststudium. Letzteres umfasst die Vor- und Nachbereitung von Lehrveranstaltungen sowie die Vorbereitung der Aufgaben und der Prüfungsleistung.		

Data:	EcoEM. MA. Nr. / Examination number: 62010	Version: 02.06.2025	Start Year: WiSe
Module Name:	**Economics of Emerging Markets**		
(English):	Economics of Emerging Markets		
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):	Stephan, Johannes / Prof. Dr.		
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	Students acquire the competence to apply economic and business theories to the special case of emerging markets. This qualifies them to assess both policy/regulation and business models/strategies in operations in or with emerging markets. Case studies enable them to learn and apply suitable solutions for the particular challenges and opportunities in emerging markets.		
Contents:	Part I The process of economic development in emerging markets I.1 Trade theory and politics I.2 Characteristics of developed, emerging, and developing countries I.3 Theories of economic development I.4 Development policies: approaches, failures, and a new consensus? Part II Case studies II.1 The role of case studies on emerging markets II.2 Student presentations of case studies, with discussion in class		
Literature:	Michael Todaro und Stephen C. Smith, Economic Development (Pearson) Clark, D.A. (ed.) The Elgar Companion to Development Studies (Elgar) Desai, V. and R.B. Potter (eds) The Companion to Development Studies (Routledge)		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** Knowledge of economics at Bachelor's level		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min] PVL: Presentation and discussion with accompanying paper PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Vortrag mit Hausarbeit und Diskussion PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	EMPMAKROOE. MA. / Examination number: 61426	Version: 10.07.2025	Start Year: WiSe 2022
Module Name:	**Empirical Macroeconomics**		
(English):			
Responsible:	Czudaj, Robert / Prof. Dr.		
Lecturer(s):	Czudaj, Robert / Prof. Dr.		
Institute(s):	Professor of Economics		
Duration:	1 Semester(s)		
Competencies:	Students gain insight into the application of state-of-the-art econometric methods to analyze macroeconomic data (supported by the statistical software R), which enables them to assess the validity of econometric studies presented to them and to conduct their own empirical analyses.		
Contents:	Classical econometrics techniques, macroeconomic applications, forecasting, VAR models; impulse response analysis; structural VAR models; cointegration.		
Literature:	Verbeek, M.: A Guide to Modern Econometrics, 5th Edition, Wiley, 2017; Lütkepohl, H.: New Introduction to Multiple Time Series Analysis. Springer, 2005.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** Einführung in die Ökonometrie, 2021-12-13 Makroökonomik, 2021-12-13		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. The private studies consist of preparation and repetition for/of lectures and exercises as well as the preparation for the exam.		

Data:	ENVMGTPOL. MA. Nr. 2909 / Examination number: 62403	Version: 16.10.2023	Start Year: WiSe 2018
Module Name:	**Environmental Management and Policies**		
(English):			
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Glöser-Chahoud, Simon / Prof.		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	Students are able to identify and explain environmental issues occurring in companies. They explain the origin of environmental impacts and are able to apply selected methods and tools to solve (simplified) problems occurring in practice. Students describe instruments of environmental policies to mitigate and regulate emissions. They know basic approaches of environmental management systems (mainly ISO 14001) and are capable to quantify specific environmental impacts such as carbon and water footprints. They discuss the status of these methods and tools with regard to real problem instances and the current scientific literature and political discussion.		
Contents:	The course covers among others: • Environmental impacts of industrial and business activities, • Societal, economic and legal frameworks of environmental protection, • Environmental Management Systems, and • Methods and tools of Cleaner Production and Environmental Impact Assessment.		
Literature:	• Calow (1999): Blackwells Concise Encyclopedia of Environmental Management, John Wiley & Sons • Dobson (2016): Environmental Politics, Oxford University Press • Russo (2008): Environmental Management: Readings and Cases, Sage Pubn • Schaltegger, Burritt, Petersen (2003): An Introduction to Corporate Environmental Management, Greenleaf Publishing • Tinsley, Pillai (2016): Environmental Management Systems: Understanding Organizational Drivers and Barriers, Routledge		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	MA. Nr. / Examination number: 60621	Version: 08.12.2022	Start Year: WiSe 2023
Module Name:	**Financial and Sustainability Reporting, Financial Planning and Business Valuation**		
(English):			
Responsible:	Sopp, Karina / Prof. Dr.		
Lecturer(s):	Sopp, Karina / Prof. Dr.		
Institute(s):	Professor of Entrepreneurship and Corporate Taxation		
Duration:	1 Semester(s)		
Competencies:	Students can assess the effects of business decisions on their asset, financial and earnings position and understand financial and sustainability reports of companies. In addition, students get to know financial and non-financial key performance indicators and their relevance for the management and financing process of companies. The students are enabled to draw up and interpret financial plans. They can assess the importance of financial planning and sustainable economic activities on business financing. Reasons for a business valuation can be recognized and factors influencing business valuation can be identified.		
Contents:	In this module the EU legal basis for preparing financial and sustainability reports is explained and global developments in (non-)financial reporting are discussed. In financial reporting, especially the Accounting Directive and the International Financial Reporting Standards (IFRS) are covered. The accounting instruments and the main reporting principles according to these regulations are discussed. The connection between the asset, financial and earnings position of companies is worked through using business cases. In sustainability reporting, the EU legal requirements and global developments are discussed. The focus is on the CSRD (Corporate Sustainability Reporting Directive) and the ESRS (European Sustainability Reporting Standards). The content of sustainability reports and their standardization are discussed. In addition, important non-financial key performance indicators (KPIs) are examined using concrete examples. Furthermore, the link between financial and sustainability reporting is shown for financing decisions. For this purpose, financial plans are drawn up and the importance of non-financial KPIs for financing decisions is shown under consideration of EU regulations like the so called Taxonomy Regulation. Finally, reasons for business valuations are discussed and discounted cash-flow methods and multiples methods for carrying out business valuations are presented and calculated.		
Literature:	Current legal provisions and papers		
Types of Teaching:	S1 (WS): Lectures (1 SWS) S1 (WS): Exercises (1 SWS)		
Pre-requisites:	**Recommendations:** No previous knowledge is required.		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Course work; Active participation in the seminar; Presentation		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Seminararbeit und Präsentation sowie aktive Teilnahme am Seminar		
Credit Points:	5		
Grade:	The Grade is generated from the examination result(s) with the following		

	weights (w): AP: Course work; Active participation in the seminar; Presentation [w: 1]
Workload:	The workload is 150h. It is the result of 30h attendance and 120h self-studies.

Data:	Examination number: 60811	Version: 23.01.2020	Start Year: SoSe 2020
Module Name:	**Financial Management in Emerging and Developing Countries**		
(English):			
Responsible:	Horsch, Andreas / Prof. Dr. Kunerts, Sophie		
Lecturer(s):			
Institute(s):	Professor of Investment and Finance		
Duration:	1 Semester(s)		
Competencies:	Students learn to detect and evaluate differences (and common features) of corporate finance in developing and emerging countries on the one hand and industrialized countries on the other hand and to understand how selected corporate finance options help to overcome the particular challenges of the former markets.		
Contents:	1. Peculiarities of financial markets in developing and emerging countries 2. Basics of Financial Risk Management 3. Financial Intermediation 4. Microfinance 5. Project Finance 6. Case Studies of Banking and Finance in Selected Emerging Markets		
Literature:	Ashta (2011): Advanced Technologies for Microfinance. Advances in Finance, Accounting, and Economics, 1st ed., Heshey; Besley / Brigham (2015): Principles of finance, 6th ed., Mason; Brealey / Myers / Allen (2019): ISE Principles of Corporate Finance, 13th ed., McGraw-Hill Education Ltd; Damodaran (2014): Applied corporate finance, 4th ed., Hoboken; Gatti: (2018): Project Finance in Theory and Practice: Designing, Structuring, and Financing Private and Public Projects, 3rd ed., Academic Press; Hillier / Grinblatt / Titman (2011): Financial markets and corporate strategy, 2nd ed., McGraw-Hill Education Ltd; Ledgerwood / Earne / Nelson (2013): The new microfinance handbook: A financial market system perspective, 2nd ed., The World Bank; Cornett / Saunders (2017): Financial institutions management: A risk management approach, 9th ed., McGraw-Hill/Irwin; Kawai / Prasad (2008): Financial market regulation and reforms in emerging markets, 1st ed., . Bookings institution press		
Types of Teaching:	S1 (SS): Lectures / Lectures (2 SWS) S1 (SS): Tutorials / Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	HISTENV. MA. Nr. 3424 / Examination number: 60134	Version: 01.07.2015	Start Year: SoSe 2016
Module Name:	**History of the Environment**		
(English):			
Responsible:	Albrecht, Helmuth / Prof. Dr. Roelevink, Eva-Maria / Prof. Dr.		
Lecturer(s):	Pohl, Norman / Dr.		
Institute(s):	Institute of History of Science and Technology		
Duration:	1 Semester(s)		
Competencies:	The module seeks to transmit historical developments in the field of technology and ecology. Hence, providing the cultural and historic background of contemporary society.		
Contents:	The module offers an introduction to the development of environmental protection and technology and the use of natural resources.		
Literature:	John Robert McNeill: Blue Planet. 2003 Donald Worster: Dust bowl. The Southern plains in the 1930s. Oxford 1979. Donald Worster: The wealth of nature. Environmental history and the ecological imagination. Oxford 1993.		
Types of Teaching:	S1 (SS): History of environment / Seminar (2 SWS)		
Pre-requisites:	**Recommendations:** Scholarly Rhetoric, 2012-02-10 Abitur-level English or equivalent knowledge of English.		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: 15 page paper AP: Presentation [20 to 30 min] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: 15-seitige Belegarbeit AP: Präsentation [20 bis 30 min] * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.		
Credit Points:	3		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: 15 page paper [w: 1] AP: Presentation [w: 1] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
Workload:	The workload is 90h. It is the result of 30h attendance and 60h self-studies. Self-study includes preparation and follow-up work for in-class instruction as well as preparation for and completion of the 12 page paper and the presentation.		

Data:	HRMOB. MA. Nr. 3203 / Examination number: 61008	Version: 03.11.2025	Start Year: SoSe 2026
Module Name:	**Human Resource Management and Organizational Behavior**		
(English):			
Responsible:	Stumpf-Wollersheim, Jutta / Prof. Dr. rer. pol.		
Lecturer(s):	Stumpf-Wollersheim, Jutta / Prof. Dr. rer. pol.		
Institute(s):	International Management and Stategy		
Duration:	1 Semester(s)		
Competencies:	The primary objective of this course is to help you learn to diagnose management situations so that you will be able to transfer this skill to your working world. Specific objectives of the course include: 1. Understanding the relevance of human resources for organizations and the key concepts of human behavior in organizations. 2. Appreciating how the human side of management is an essential complement to the technical skills you are learning in other courses. 3. Learning concepts and approaches that will enable you to analyze HR- and organizational problems and to develop appropriate solutions. 4. Developing the knowledge and skills you need to be a successful manager of yourself and others.		
Contents:	1. Introduction 2. Organizational Behavior (OB) 2.1 Individual level (foundations of individual behavior; impacts of individual characteristics; impact of situational factors) 2.2 Group level (foundations of group behavior, understanding work teams; group processes e.g., learning in teams) 2.3 Leadership 3. Human Resource Management (HRM) 3.1 Changing Nature of HRM 3.2 HRM Planning 3.3 Human Resource Adjustments 3.4 Training and Developing HR 3.5 Compensating HR Presentations and Conclusions		
Literature:	Mathis, R.L.; Jackson, J.H.: „Human Resource Management“, South Western College Publishing: Cincinnati 2006 Judge, T.A.; Robbins, S.P.: „Organizational Behavior“, Pearson Prentice Hall: Upper Saddle River, N.J. 2016		
Types of Teaching:	S1 (SS): Lectures (3 SWS) S1 (SS): Exercises (1 SWS)		
Pre-requisites:	**Recommendations:** None		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA: Final test [90 min] PVL: Case studies PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA: Abschlussklausur [90 min] PVL: Fallstudien PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following		

	weights (w): KA: Final test [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	OMIS. MA. Nr. 2903 / Examination number: 60517	Version: 25.08.2025	Start Year: WiSe 2025
Module Name:	**Information Management**		
(English):			
Responsible:	Felden, Carsten / Prof. Dr.		
Lecturer(s):	Felden, Carsten / Prof. Dr.		
Institute(s):	Institute of IManagement Information Systems		
Duration:	1 Semester(s)		
Competencies:	Students get a general view to understand integration of business and technology in companies. This course provides a comprehensive and integrative understanding of essential new technologies, information system applications, and their impact on business models and managerial decision making. From a managerial perspective, the course addresses an application of concepts regarding hardware, software, and data organization. The students will understand and apply basics of information systems with a focus on economic issues as well as the significance of information systems for companies and the practical information and communication technologies to increase the efficiency and effectiveness of information systems.		
Contents:	1. Introduction: the domain of business information systems 2. Organizations and systems 3. Data, information, and knowledge 4. Information systems, and organizational infrastructure 5. Communication infrastructure 6. ICT systems infrastructure 7. The business environment 8. Electronic business, electronic commerce, and electronic government 9. Assessing the use and impact of information systems 10. Planning, strategy, and management 11. Services, projects and operations 12. Information systems development 13. Successful informatics practice		
Literature:	Raja R., Raja H.: Information Systems Management: United Kingdom, 2023. ISBN 978-1-80355-651-2 Gronwald K.-D.: Integrated Business Information Systems: Springer, 2020. ISBN 978-3-662-59810-8 Liedtke T.: Information Security: Opportunities and Limitations: Springer, 2022. ISBN 978-3-658-45710-5. Gibadullin A.: Digital and Information Technologies in Economics and Management: Springer, 2023. ISBN 978-3-031-30925-0. Galliers R. D., Leidner D. E., Simeonova B.: Strategic Information Management: Theory and Practice: Routledge Taylor & Francis Group, 2020. ISBN: 978-0-367-25251-9		
Types of Teaching:	Lecture / Lectures (2 SWS) Recitation / Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		

Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	INAM. MA. / Examination number: 60913	Version: 14.01.2022	Start Year: SoSe 2022
Module Name:	**Innovation Analysis and Management**		
(English):			
Responsible:	Wiens, Marcus / Prof. Dr.		
Lecturer(s):	Wiens, Marcus / Prof. Dr.		
Institute(s):	Professor of Innovation and Risk Management		
Duration:	1 Semester(s)		
Competencies:	After successful completion of the module, students should be able to explain the drivers and dynamics of innovation and to determine the value of innovation-driven investments. Students should be able to model innovation processes based on extreme value theory and learning theories. Furthermore, they shold be able to apply behavioral and game-theoretic approaches explaining incentives for cooperative research & development, innovation networks, patent-races and contracting.		
Contents:	The module starts with a systematic overview of invention and innovation, providing basic economic knowledge about the sources, drivers and barriers for innovation. Selected practical examples and case studies shed light on particularly innovative industries. The module covers behavioral and strategic implications of innovation-oriented investments and analyses in depth issues like learning strategies, strategic cooperation and innovation networks and tournaments. Finally, the module derives conclusions for efficient innovation policies, from both a business and public perspective.		
Literature:	Uzunidis, D. et al. (ed.) (2021): Innovation Economics, Engineering and Management Handbook 2, Wiley & Sons. Hall, B. H. & Rosenberg, N. (2010): Handbook of the Economics of Innovation, Elsevier. Goyal, S. (2007): Connections – An Introduction to the Economics of Networks, Princeton University Press.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	INTMAN. MA. Nr. 2072 / Examination number: 62007	Version: 09.03.2023	Start Year: SoSe 2016
Module Name:	**International Business and Management**		
(English):			
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):	Stephan, Johannes / Prof. Dr.		
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	The intention of this module is that students are enabled to analyse the particularities of management of firms where several international markets are involved. The module prepares to-be-managers or high-level public administration employees for the particular challenges and problems involved with the internationalisation of firms, the governance of foreign direct investment (inward and outward), and the management of multi-national corporations. After completion of the module, students can analyse and assess the value of inward and outward foreign direct investment of firms for the host and home countries. The first part of this course focuses on the ability to explain the existence of the multinational enterprise by generalising the theory of the firm and its characterisation on the one side and particularities of management in multinational enterprises on the other. The management part of the course enables students to analyse strategies of entry into foreign markets, including entry modes, entry timing and the location from an institutional perspective and by use of case studies. The third part of the course enables students to understand and apply strategies of management of knowledge and R&D both within the multinational enterprise and between the multinational enterprise and its host economies. This is discussed in terms of effects of knowledge and R&D management on subsidiary development and on technology transfer externalities (spillovers). The final part enables students to assess national and regional policies to attract or demotivate internationalisation of firms and industries.		

Contents:	**Part 1: Economic theories of internationalisation and TNC**
	
	• The Transnational Corporation is a particular kind of firm
	  ◦ Developing the reasons of existence of TNCs
	  ◦ Defining a TNC
	  ◦ An empirical representation of TNCs in the world
	  ◦ TNCs in emerging markets
	  ◦ Internationalisation of SMEs
	  ◦ Micro-Multinationals and “How start-ups go global”
	• Hymer’s theory of the multinational firm: market imperfections
	• Product life cycle: a maturing theory
	• Internalisation theory: transaction costs and market failure
	• Dunning’s eclectic OLI-paradigm
	• The Scandinavian School: stages in the internationalisation process
	• Cantwell’s theory of technological accumulation
	• Kogut and Zander’s theory of MNCs as social communities
	• Verbeke’s evolutionary theory of the MNE
	
	Part 2: Internationalisation strategies
	
	• Network theory and “International Entrepreneurship”		

	• MNCs as an cross-country organisation: management and corporate control issues
	• GVC governance: the orchestration of fragmented and internationally dispersed operations (WIR 2013, pp. 140-144)
	• Aspect one: international strategic management
	• Aspect two: Elements of a suitable strategy for firm-internationalisation
	• Management of knowledge and technology in TNCs
	
	Part 3: The role of FDI for economic development
	
	• Two cases from empirical research in International Business
	  ◦ Knowledge and technology spillovers and the role of national innovation systems
	  ◦ The relationship between foreign trade, licensing and franchising, and foreign direct investment
	
	Part 4: Policy-implications
	
	• Foreign Direct Investment policies
	  ◦ Motivating FDI policy
	  ◦ Pitfalls and dangers of FDI policies
	  ◦ Overview of policy-strategies and instruments
	  ◦ Main questions to be asked/answered
	  ◦ Some conclusions

Literature:	Blomström, M. and A. Kokko (1998), MNCs and spillovers, Journal of economic surveys, Vol. 12, No. 3, pp. 247-277. Cavusgil, S.T., G. Knight, and J.R. Riesenberger (2008) International Business, Pearson International, New Jersey. Cavusgil, S.T. et al. (2012) Doing Business in Emerging Markets, Sage Publishing Dunning, J. and S.M. Lundan (2008), Multinational Enterprises and the Global Economy, 2nd edition. Cheltenham: Edward Elgar. Ietto-Gillies, G. (2005), Transnational Corporations and International Production – Concepts, Theories, Effects. Cheltenham: Edward Elgar. Jindra, B. (2006), The theoretical framework: FDI and Technology Transfer, in J. Stephan (ed) Technology Transfer via Foreign Direct Investment in Central and Eastern Europe – Theory, Method of Research and Empirical Evidence, Houndsmill, Basingstoke (UK): Palgrave Macmillan, Chapter 2 (pp. 6-29). Moran, T.H. et al. (eds) (2005), Does Foreign Direct Investment Promote Development? Institute for International Ecomnomics, Center for Global Development, Washington, DC Pitelis, C. (ed.) (2000), The nature of the transnational firm, 2nd edition. London: Routledge. Peng, M. and K. Meyer (2011), International Business, Centage Learning: London. World Investment Report (2005), Transnational Corporations and the Internationalization of R&D: Chapter VI: Development implications, pp. 179-200.
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)
Pre-requisites:	**Recommendations:** Knowledge of micro-economics and macro-economics at Bachelor level equivalent to 6 ECTS points each is required to be able to follow

	teaching and tutorials in the module and successfully complete the module.
Frequency:	yearly in the summer semester
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min] PVL: Presentations and paper submissions PVL have to be satisfied before the examination.
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Präsentationen und Hausarbeiten PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.
Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	INTWBEZ. MA. / Examination number: 61427	Version: 10.07.2025	Start Year: WiSe 2022
Module Name:	**International Economics**		
(English):			
Responsible:	Czudaj, Robert / Prof. Dr.		
Lecturer(s):	Czudaj, Robert / Prof. Dr.		
Institute(s):	Professor of Economics		
Duration:	1 Semester(s)		
Competencies:	Students gain insight into the fundamental theories and models of international economics and learn how to use these models for economic policy applications in open economies.		
Contents:	International economic theory to explain the determinants as well as the benefits and drawbacks of international trade, the instruments of trade policy, the political economy of trade policy, and open-economy macro models.		
Literature:	Krugman, P.; Obstfeld, M.; Melitz, M.: International Economics: Theory and Policy, Global Edition, 12th Edition, Pearson, 2022.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. The private studies consist of preparation and repetition for/of lectures and exercises as well as the preparation for the exam.		

Data:	ILRET.MA / Examination number: 61520	Version: 03.06.2024	Start Year: WiSe 2024
Module Name:	**International Law of Resources, Environment and Trade**		
(English):	International Law of Resources, Environment and Trade		
Responsible:	Frau, Robert / Prof. Dr.		
Lecturer(s):	Frau, Robert / Prof. Dr.		
Institute(s):	Professor of Public and Environmental Law		
Duration:	1 Semester(s)		
Competencies:	The purpose of the cluster is to give an introduction to the basic terms of law and to legal problems related to resources, environment and trade. Students without a law background will be enabled to understand the characteristics of these fields as such, before turning to a range of more specific questions. Students will be able to analyze international environmental law and trade law as well as be in a position to solve clashes between these two fields of law.		
Contents:	1. General Introduction to Law This part contents the basic legal terms, the introduction to the different fields of law and the interpretation of law. 2. Introduction to International Environmental Law The second parts addresses general principles of environmental law as well as specific treaty regimes related to resources. 3. Introduction to International Trade Law Lastly, the WTO will stand in the center of attention. The lecture will focus on the GATT and the relationship between trade law and environmental law.		
Literature:	Birnie/Boyle/Redgwell, International Law and the Environment, Oxford University Press		
Types of Teaching:	S1 (WS): Lectures / Lectures (2 SWS) S1 (WS): Exercises / Exercises (2 SWS) The order of the module semesters is flexible.		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [120 to 120 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [120 bis 120 min]		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. Self-studies include assignments, preparation and wrapping-up of lectures as well as preparations for examinations.		

Data:	Examination number: 69907	Version: 09.03.2023	Start Year: SoSe
Module Name:	**Internship [IBRE]**		
(English):			
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):			
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	8 Week(s)		
Competencies:	The objective of the international internship (i.e. within an internationalised firm, typically not in the location of the home country) is to enable students to apply the international management competences acquired during their theoretical studies in practice.		
Contents:	The tasks allocated to students in the internship focus on aspects of competences that students have acquired in the taught modules.		
Literature:			
Types of Teaching:			
Pre-requisites:	**Mandatory:** Vorabprüfung auf Übereinstimmung der Ziele des Praktikums mit den Zielen des Studienganges durch den Prüfungsausschuss. Approval of the examination committee of IBRE that the planned internship matches the objectives of the study programme.		
Frequency:	constantly		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Written report about the internship with a length of approx. 15 pages of text, excl. graphs, pictures, and lists. The module is not graded.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Schriftlicher Bericht (ca. 15 Seiten Text) Das Modul wird nicht benotet.		
Credit Points:	10		
Grade:	The examination results are not rated. The credits are given when the exams are passed successfully.		
Workload:	The workload is 300h.		

Data:	MINING. MA. Nr. 2914 / Examination number: 31703	Version: 28.04.2010	Start Year: WiSe 2010
Module Name:	**Introduction to Mining**		
(English):			
Responsible:	Kreßner, Martin / Prof.		
Lecturer(s):	Kreßner, Martin / Prof.		
Institute(s):	Institute of Mining and Special Civil Engineering		
Duration:	1 Semester(s)		
Competencies:	Basic knowledge in role of mining and mining engineering processes and relationship to other disciplines; Understanding of sustainable development in mining industry: balance between mining production, social development and environment protection.		
Contents:	Mining is one of the oldest and most important sectors in our civilisation building the backbone of many further industries. Developed economies highly dependent on mineral and energy imports. The world knows many wars about reserves and resources. Mining production employs million of workers worldwide and is especially in developing countries an important source of income. On other side mining has a great influence to the environment and social sphere. Mining is today a modern industry with high standard in working safety and environment protection. The largest machines the world knows are operating in open pit mines. The lecture introduces this interesting and important world of mining and gives an understanding for economic, social and technical processes. Case studies will illustrate the practical side of knowledge application.		
Literature:	Hartmann et al: SME Mining Engineering Handbook, Vol. 1 and 2, Society of Mining, Metallurgy and Exploration, Littleton, Colorado, actual edition Hustrulid, Kuchta: Open pit mine planning and design, Balkema, latest edition		
Types of Teaching:	S1 (WS): Lectures (1 SWS) S1 (WS): Exercises (1 SWS)		
Pre-requisites:	**Recommendations:** No requirements.		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min]		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min]		
Credit Points:	3		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 90h. It is the result of 30h attendance and 60h self-studies.		

Data:	SDG. MA. / Examination number: 31730 / Examination number: 31752	Version: 06.03.2025	Start Year: WiSe 2024
Module Name:	**Introduction to Sustainable Development Goal 12 and Responsible Consumption and Production**		
(English):			
Responsible:	Bongaerts, Jan C. / Prof. Dr. Kreßner, Martin / Prof.		
Lecturer(s):			
Institute(s):	Institute of Mining and Special Civil Engineering		
Duration:	1 Semester(s)		
Competencies:	The course is suitable as an introduction to the subject of Sustainable Development focusing on Responsible Consumption and Production (RCP) and is thus intended to be accessible to students of all study backgrounds. On completion of the course, students shall be able to understand Sustainable Development with a special emphasis on the UN Sustainable Development Goal 12 RCP. They will have a comprehension of the different research and development approaches which are contributing to sustainability. They will learn innovative solutions for current issues for society and industry. They will be able to explain, and analyse solutions for current global challenges.		
Contents:	Introduction to Sustainable Development with a focus on Responsible Consumption and Production. Lectures will be covered by guest lecturers (experts) from the 9 European Universities of the EURECA-PRO Alliance and external lecturers. Topics include European culture, sustainable use of resources, responsible consumption, responsible production, circular economy, waste management, material science, recycling, mining, energy transition, eco-design and social and economic aspects.		
Literature:	UN Sustainable Development Goals (https://en.unesco.org/sustainabledevelopmentgoals) Further literature will be recommended by each lecturer.		
Types of Teaching:	S1 (WS): S1 (WS) - Lecture Series on SDGs and RCP Topics / Lectures (2 SWS) / Lectures (2 SWS)		
Pre-requisites:	**Recommendations:** Recommendations: Good knowledge of English (understanding of the lectures)		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA: Written Exam [90 min] PVL: Aktive Teilnahme an den Lehrveranstaltugnen (mindest. 80%) PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA: Written Exam [90 min] PVL: Active participation in class (at least 80%) PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Credit Points:	3		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA: Written Exam [w: 1]		
Workload:	The workload is 90h. It is the result of 30h attendance and 60h self-studies. The workload is 90h. It is the result of 30h attendance and 60h		

	self-studies.

Data:	Examination number: 9900	Version: 27.10.2025	Start Year: SoSe
Module Name:	**Master's thesis [MBA IBRE]**		
(English):			
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):			
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	4 Month(s)		
Competencies:	By developing an own topic for a master's thesis and completing all tasks involved with the analysis of research questions, with writing texts, with submission of the thesis, and with defending their own master's thesis, students are enabled to produce an academically sound and valuable contribution to the scientific literature, and this within a limited period of time.		
Contents:	The tasks of students include searching for a business-centred topic that closely relates to the taught contents of the modules in the study programme and motivates a professor at the TU Freiberg to academically support the research project. Students develop their own scientific topics, search for and select relevant literature, and do their own scientific contribution by elaborating on defined research questions using apt methods of analysis and correct academic writing and presentation and critical discussion of results with caveats. The written thesis includes own texts with own illustrations and figures and graphs (where applicable) and is presented in an oral defence.		
Literature:	Depends on the topic of the master's thesis.		
Types of Teaching:			
Pre-requisites:	**Mandatory:** Abschluss von Pflichtmodulen im Umfang von 36 Leistungspunkten (ohne Masterarbeit) und Wahlpflichtmodulen im Umfang von 52 Leistungspunkten (Completion of 36 credit points of obligatory modules (without Master's thesis) and completion of 52 credit points of elective modules).		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: Master's thesis (60-80 pages) AP*: Defence with discussion [30 to 40 min] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: Masterarbeit (60 - 80 Seiten)) AP*: Kolloquium mit Diskussion [30 bis 40 min] * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.		
Credit Points:	20		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: Master's thesis (60-80 pages) [w: 3] AP*: Defence with discussion [w: 1]		

	* In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 600h.

Data:	MFALCA. MA. Nr. / Examination number: 62402	Version: 15.07.2016	Start Year: SoSe 2017
Module Name:	**Material Flow Analysis and Life Cycle Assessment**		
(English):	Material Flow Analysis and Life Cycle Assessment		
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Glöser-Chahoud, Simon / Prof.		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	The students • analyse material and energy flows from a system's and from a product/service perspective, • use the standardized terminology, • name and describe the steps for conducting MFA & LCA studies, • discuss the achievements and shortcomings of common methodological toolsets and data bases in the field, • gather necessary information, choose suitable methods, and apply these for simple MFA & LCA studies, and • discuss the quality of material flow analysis studies and life cycle assessment studies.		

Contents:	• Systems and life cycle thinking
	• Material flow networks
	• Material and energy flow balancing
	• Material flow modelling
	• Life Cycle Assessment
	  ◦ Goal and Scope definition
	  ◦ Life Cycle Inventories (LCI)
	  ◦ Life Cycle Impact Assessment (LCIA)
	  ◦ Interpretation and Disclosure
	• Current trends and developments
	• Software systems and data bases for material flow analysis and life cycle assessment
	• Case studies		

Literature:	1. Baccini & Brunner (2012): Metabolism of the Anthroposphere: Analysis, Evaluation, Design, MIT Press
	2. Brunner/Rechberger (2004): Practical handbook of material flow analysis, Lewis
	3. Guinée (2002): Handbook on Life Cycle Assessment, Kluwer
	4. Hauschild/ Huijbregts (2015): Life Cycle Impact Assessment (LCA Compendium - The Complete World of Life Cycle Assessment), Springer
	5. Klöpfer, W. (2014): Background and Future Prospects in Life Cycle Assessment, Springer
	6. EU International Reference Life Cycle Data System (ILCD) Handbook Series
	7. Journals:
	  a. International Journal of Life Cycle Assessment
	  b. Journal of Cleaner Production
	  c. Journal of Industrial Ecology
	
	Further literature recommendations will be given in the lecture.		

Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)		

Pre-requisites:	
Frequency:	yearly in the summer semester
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: Assignment KA [90 min] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: Aufgabe KA [90 min] * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.
Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: Assignment [w: 1] KA [w: 4] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	MoSA. MA. Nr. / Examination number: 62011	Version: 02.06.2025	Start Year: WiSe 2025
Module Name:	**Methods of Scientific Analysis**		
(English):	Methods of Scientific Analysis		
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):			
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	Students acquire the ability to conduct scientific work by evaluating and understanding analysis of business and market data. Students learn how to read business-related research in a critical way and are able to understand the most important methods of analysis in social sciences. This allows students to distinguish between business propaganda and the creation and use of scientific sound knowledge. This implicitly helps to inform the overall learning process.		
Contents:	The module introduces the students to the ideas of deductive research methods, falsification, and to the rigours of positive and normative analyses. This is wound up into setting the minimum standard rules for sound academic writing. Part I Research methodology in economics I.1 Theories and models: explanation & prediction I.2 Inductivism vs deductivism I.3 Positivism vs normativism I.4 Falsification vs evolutions of theories Part II Method of scientific research II.1 Why and how to write a literature review? II.2 How to tap existing data from databases? II.3 How to generate new data in field work? Part III The literature review and scientific production III.1 Sound academic writing III.2 Effective academic presentations III.3 Summary: Milestones		
Literature:	Baddeley, M. and D. Barrowclough (2009) Running Regressions - A Practical Guide to Quantitative Research in Economics, Finance and Development Studies. Cambridge University Press. Blaug, M. (1994) The methodology of economics, Cambridge University Press. Dow, S. (2002) Economic methodology: an enquiry, Oxford University Press. Davis, J.B. and D.W. Hands (2011) The Elgar Companion to Recent Economic Methodology, Edward Elgar.		
Types of Teaching:	S1 (WS): Lectures (4 SWS) The order of the module semesters is flexible.		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Literature review		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Literaturüberblick		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP: Literature review [w: 1]		

Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	OPMAN. MA. Nr. 2970 / Examination number: 61304	Version: 06.07.2015	Start Year: WiSe 2016
Module Name:	**Operations Management**		
(English):			
Responsible:	Höck, Michael / Prof. Dr.		
Lecturer(s):	Höck, Michael / Prof. Dr.		
Institute(s):	Professor of Industrial Management, Production Management and Logistics		
Duration:	1 Semester(s)		
Competencies:	Foremost, the module aims to convey to the student problem-solving competencies with a view to putting the student in a position to analyse the complex questions in operations management, to structure them, and to develop solution alternatives.		
Contents:	This course addresses the management of operations in manufacturing and service firms. Diverse activities, such as determining the size and type of production process, purchasing the appropriate raw materials, planning and scheduling the flow of materials and the nature and content of inventories, assuring product quality, and deciding on the production hardware and how it gets used, comprise this function of the company. Managing operations well requires both strategic and tactical skills. During the term, we will consider such topics as: process analysis, workforce issues, materials management, quality and productivity, technology, and strategic planning, together with relevant analytical techniques. This course will provide a survey of these issues.		
Literature:	Davis, M. & Heineke, J. (2005): Operations Management, 5/e, McGraw-Hill Cachon & Terwiesch (2006): Matching Supply and Demand, McGraw-Hill Stevenson (2007): Operations Management, 9/e, McGraw-Hill.		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:	**Recommendations:** None		
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min] PVL: Case Studies PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Fallstudien PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. Self-study consists of preparation and review of the lectures, independent work on case studies, as well as preparation for the written test.		

Data:	PET. MA. Nr. 3361 / Examination number: 62401	Version: 14.07.2016	Start Year: SoSe 2016
Module Name:	**Plant Economics and Technology**		
(English):			
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Glöser-Chahoud, Simon / Prof.		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	The students are enabled to understand the techno-economic issues associated with the planning and operation of industrial plants. This comprises also linked topics of technology assessment and management. After completion of this module the students are able to characterise plant economic tasks and apply exemplary methods to fulfill these. Major competences include: estimation of capital expenditure (CAPEX), calculation of operational costs (OPEX), investment appraisal, location planning, project management.		
Contents:	• Introduction to Plant Economics and Technology • Life cycle of industrial plants • Analysis and modelling of industrial production systems • Project management in engineering • Network and facility location planning • Process design • Investment estimation • Cost estimation • Plant and process optimisation • Maintenance and repair • Quality Management • Re-location, dismantling and recycling • Technology assessment and management		
Literature:	Recommended reading: 1. Peters/Timmmerhaus/West (2003): Plant Design and Economic for Chemical Engineers, McGrawHill 2. Chauvel (2003): Manual of Process Economic Evaluation, Edition Technip 3. Couper (2003): Process engineering economics, Marcel Dekker Inc Further literature recommendations will be given in the lecture.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Lectures (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: PVL: Assignments KA [90 min] PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: PVL: Aufgaben KA [90 min] PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		

Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	PROFCOM. BA. Nr. 349 / Examination number: 60701	Version: 29.06.2022	Start Year: WiSe 2022
Module Name:	**Professional Communication**		
(English):			
Responsible:	Jacob, Mark / Dr. Polanski, Katja		
Lecturer(s):	Jacob, Mark / Dr.		
Institute(s):	International Centre/ Languages		
Duration:	1 Semester(s)		
Competencies:	The module introduces participants to fundamental principles and practices of communication. Participants familiarize themselves with essential linguistic features and typical structures of oral and written texts. They acquire strategies to cope with various oral and written communication situations in academic and professional contexts. They are able to present content and to communicate in a way that is specific and suitable for the type of text and context and to argue their own point of view in a variety of situations. The module is taught in English.		
Contents:	• Analysis of a variety of written and oral texts • Fundamentals of professional communication, e.g. communication theory, formal and informal communication, verbal and nonverbal communication • Aspects of English grammar and stylistics • Preparation of written texts, e.g. forms of digital communication, application documents, report, argumentative essay • Presenting • Simulation of oral communication situations, e.g. job interview, moderation of and participating in group discussions		
Literature:	Selected teaching material. *The participants are also expected to have read the following textbooks:* Adler, R.B; Rodman, G.R; Athena DuPré, A. Understanding Human Communication (2019) Oxford ; New York: Oxford University PressMarquet L.D. (2020) Leadership Is Language: The Hidden Power of What You Say--and What You Don't. 1st Ed. New York: Portfolio/Penguin		
Types of Teaching:	Seminar (4 SWS)		
Pre-requisites:	**Recommendations:** General English level B2		
Frequency:	each semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Portfolio exam consisting of 4 mandatory assignments covering written and oral communication situations as well as receptive and productive skills AP: Active participation in at least 80% of the classes and completion of self-study tasks		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Portfolioprüfung bestehend aus 4 Teilen, die mündliche und schriftliche Kommunikationssituationen sowie rezeptive und produktive Fertigkeiten abbilden AP: Aktive Teilnahme an mind. 80% der Lehrveranstaltungen und Bearbeitung von Aufgaben im Selbststudium		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w):		

	AP: Portfolio exam consisting of 4 mandatory assignments covering written and oral communication situations as well as receptive and productive skills [w: 1]
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. Self-study includes preparation and follow-up work for in-class instruction, literature review, completion of tasks and portfolio exam assignments.

Data:	BBREKL. MA. Nr. 2087 / Examination number: 31719	Version: 13.07.2014	Start Year: SoSe 2014
Module Name:	**Reclamation**		
(English):			
Responsible:	Kreßner, Martin / Prof.		
Lecturer(s):	Drebenstedt, Carsten / Prof. Dr.		
Institute(s):	Institute of Mining and Special Civil Engineering		
Duration:	1 Semester(s)		
Competencies:	The module provides the development of expertise and methodological skills in the field of mining engineering. The students learn the theory and practice of reclamation in mining as essential element of balance for mining impacts. They understand the parallelism of mine and reclamation planning and the fact, why reclamation can exceed the mine project phase. Additionally the students will be qualified to explain scientifically reclamation measures, plan technical measures and calculate the financial expenses.		
Contents:	- Impacts of mining and its effects - Legal requirements for permission - Scientific fundamentals of reclamation (soil, ground water balance,...) - Utilization requirements and realization in the post-mining landscaping (agriculture, forestry, waterbodies, nature protection, recreation, miscellaneous) - Concepts, Case studies		
Literature:	Pflug (Hrsg.), 1998, Braunkohlentagebau und Rekultivierung, Springer Verlag Olschowy, Bergbau und Landschaft, 1993, Paray Verlag Gilscher, Bruns, 1999, Renaturierung von Abbaustellen, Verlag Eugen Ulmer Stuttgart		
Types of Teaching:	S1 (SS): Lectures (3 SWS) S1 (SS): Exercises (2 SWS) S1 (SS): Practical Application (1 SWS)		
Pre-requisites:	**Recommendations:** Mathemathic-scientific fundamentals		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: MP/KA (KA if 21 students or more) [MP minimum 30 min / KA 60 min] PVL: Submission and positive evaluation of module exercises PVL: Participation in 2 excursions of the chair Surface-Mining PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: MP/KA (KA bei 21 und mehr Teilnehmern) [MP mindestens 30 min / KA 60 min] PVL: Erfolgreicher Abschluss der Übungsaufgaben PVL: 2 Fachexkursionen Tagebau PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): MP/KA [w: 1]		
Workload:	The workload is 180h. It is the result of 90h attendance and 90h self-studies. Self-study includes autonomous and instructed preparation and performance of follow-up course work and examination preparation.		

Data:	RESMGT. MA. Nr. 2082 / Examination number: 62407	Version: 31.05.2018	Start Year: WiSe 2016
Module Name:	**Resource Management**		
(English):			
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Glöser-Chahoud, Simon / Prof.		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	Students • explain the resource related corporate management tasks, structure these, • use selected tools and methods and • explain the interplay between resource management and related tasks such as operations and supply chain management.		
Contents:	The course deals with the field of resource management from a industrial perspective. This comprises resource related management tasks, methods and tools to solve these and how they are embedded within functions and processes of companies. Thereby the focus lies on repetition factors mineral raw materials and energy carriers, renewable raw materials and energy carriers as well as secondary raw materials and energy carriers.		
Literature:	Bausch (2009): Handbook Utility Management, Springer Thiede (2012): Energy Efficiency in Manufacturing Systems, Springer Thonemann (2015): Operations Management, Pearson Vrat (2014): Materials Management, Springer Wagner, Enzler (2006) Material Flow Management, Physica		
Types of Teaching:	S1 (WS): Lectures (2 SWS) S1 (WS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the winter semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: Case study with oral presentation KA* [90 min] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: Fallstudie mit mdl. Präsentation KA* [90 min] * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: Case study with oral presentation [w: 1] KA* [w: 4] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		

Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	ResDV. MA. Nr. / Examination number: 62014	Version: 02.06.2025	Start Year: SoSe 2026
Module Name:	**Resources and Development**		
(English):	Resources and Development		
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):			
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	Students acquire the competence to identfy where abundance of natural resources can help developing countries and emerging markets to catch up in terms of economic development. They are able to pinpoint the challenges and dangers of a resource-based development strategy and what polices can be devised to contain dagers and reap potential benefits. Students identify the business challenges and opportunities in this setup.		
Contents:	Part I The Role of Natural Resources for Economic Development I.1 Natural resources and environment as production factors II.2 The concept of the resource curse in general II.3 Concepts for a benign role of resources for development (“Successful resource-based development”) II.4 Natural resources global markets and national focus Part II Case studies II.1 The role of case studies on emerging markets II.2 Student presentations of case studies, with discussion in class		
Literature:	Conrad, J. M. and D. Rondeau (eds) (2020) Natural Resource Economics: Analysis, Theory, and Applications (Cambridge University Press) Andersen, A. D. and B. Johnson (2014) Monocausalism versus Systems Approach to Development ' The Possibility of Natural Resource-based Development. Institutions and Economies, Vol. 6, No. 2, pp. 27-54 Gylfason, T. (2001) Natural resources, education, and economic development. European Economic Review, Vol. 45, Issue 4-6, pp. 847-859. Sachs, J. D. and A. M. Warner (1997) Natural Resource Abundance and Economic Growth. NBER Working Paper Series.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS) The order of the module semesters is flexible.		
Pre-requisites:	**Recommendations:** Economics of Emerging Markets		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA* [90 min] AP*: Presentation and discussion with accompanying paper * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA* [90 min] AP*: Vortrag mit Hausarbeit und Diskussion * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.		

Credit Points:	6
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA* [w: 1] AP*: Presentation and discussion with accompanying paper [w: 0] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.

Data:	SEMVWETH. MA. / Examination number: 62503	Version: 16.02.2023	Start Year: WiSe 2022
Module Name:	**Seminar Behavioral and Business Ethics**		
(English):			
Responsible:	Walkowitz, Gari / Prof. Dr.		
Lecturer(s):	Walkowitz, Gari / Prof. Dr.		
Institute(s):	Professor of Business Ethics		
Duration:	1 Semester(s)		
Competencies:	Students 1) apply learned theories and empirical findings in a solution-oriented manner, 2) analyze issues and challenges in the context of specific contexts, 3) collect, systematize and synthesize literature and data material for a scientific paper on a selected topic, 4) communicate continuously and purposefully within teaching and learning groups, 5) justify and evaluate independently developed positions, 6) present and/or discuss results with teachers and other students, 7) critically question and reflect on current social developments, 8) design their learning and working processes independently, 9) use techniques of scientific work and good scientific practice under guidance.		
Contents:	This master's seminar focuses on the ethical analysis of human decision-making in companies and markets. Ethically relevant decision-making is determined by a wide variety of determinants, including ethical considerations as well as phenomena that can be explained by behavioral science. Studying theories and empirical evidence from business psychology and behavioral economics, we will examine the conditions under which ethical principles can be applied to human actions in companies and markets. The discussion will focus on personal and situational factors, as well as incentive and organizational structures, and technological and cultural conditions.		
Literature:	Biasucci, C., & Prentice, R. (2020). Behavioral Ethics in Practice: why we sometimes make the wrong decisions. Routledge. Bicchieri, C. (2005). The grammar of society: The nature and dynamics of social norms. Cambridge University Press. The further selection of literature depends on the concrete seminar topics and includes in particular articles in relevant journals, which are newly indicated for each semester.		
Types of Teaching:	S1 (WS): Seminar (2 SWS)		
Pre-requisites:	**Recommendations:** Einführung in die Unternehmens- und Wirtschaftsethik, 2023-02-16 Forschungsmethoden der Wirtschaftswissenschaften, 2022-06-15		
Frequency:	each semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: Seminar paper AP*: Presentation * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: Seminararbeit AP*: Verteidigung * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0)		

	bewertet sein.
Credit Points:	4
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: Seminar paper [w: 3] AP*: Presentation [w: 2] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 120h. It is the result of 30h attendance and 90h self-studies. The latter includes homework including the preparation of the seminar paper and of the presentation.

Data:	SERU MA. / Examination number: 62412	Version: 19.02.2018	Start Year: WiSe
Module Name:	**Seminar Energy, Resource and Environmental Management**		
(English):			
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Glöser-Chahoud, Simon / Prof.		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	The seminar is aimed at enabling students for scientific work. For a given problem, the students are able to • find, structure and analyse relevant literature, • solve the problem scientifically, • discuss the solution critically, • summarize the work in a seminar thesis and a presentation, and • discuss and defend their work.		
Contents:	Current topics of energy, resource and environmental management.		
Literature:	• Dichtl, E.(1996): Deutsch für Ökonomen. Vahlen, München. • Eco, U. (2000): Wie man eine wissenschaftliche Abschlußarbeit schreibt: Doktor-, Diplom- und Magisterarbeit in den Geistes- und Sozialwissenschaften. Müller, Heidelberg, 8. Aufl.. • Karmasin, M. und R. Ribing (2002): Die Gestaltung wissenschaftlicher Arbeiten: ein Leitfaden für Haus-, Seminar- und Diplomarbeiten sowie Dissertationen. Facultas-Verlag, Wien, 3. Aufl.. • Scholz, D. (2001): Diplomarbeiten normgerecht verfassen. Schreibtipps zur Gestaltung von Studien, Diplom- und Doktorarbeiten. Vogel, Würzburg, 1. Aufl.. • Glinz, M. (2003): Grundlagen und Techniken des wissenschaftlichen Arbeitens. http://www.ifi.unizh.ch/groups/req/ftp/wap/grundlagen.pdf, 18.04.2005. • Corsten, H. und J. Deppe (2002): Technik des wissenschaftlichen Arbeitens: Wege zum erfolgreichen Studieren. Oldenbourg, München/Wien, 2. Aufl..		
Types of Teaching:	S1 (WS): Energie-, Rohstoff- und Umweltmanagement / Seminar (2 SWS)		
Pre-requisites:			
Frequency:	each semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: Seminar Thesis AP*: Presentation and Discussion [20 to 30 min] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: Seminararbeit AP*: Seminarpräsentation & Diskussion [20 bis 30 min] * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.		

Credit Points:	4
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: Seminar Thesis [w: 3] AP*: Presentation and Discussion [w: 1] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 120h.

Data:	SemIB / Examination number: 62013	Version: 02.06.2025	Start Year: SoSe 2026
Module Name:	**Seminar International Business**		
(English):	Seminar International Business		
Responsible:	Stephan, Johannes / Prof. Dr.		
Lecturer(s):			
Institute(s):	Professor of International Resource Policy and Economic Development		
Duration:	1 Semester(s)		
Competencies:	Students acquire the competence to analyse complex subjects in the field of Internatinal Business using the methods of science they learned in the module on Methods of analysis. Students are able to harness the topic into a scientifically sound term paper with defence, i.e. they are able to conduct a literature review and distill the main groups of opinions found in the scientific literature and are able to develop their own opinon on the subject. Students develop unresolved reseach questions and hypotheses to be tested in qualirative or quantitative analysis.		
Contents:	The topics derive from contemporary discussions in the field of IB and may also include more general questions related to corruption and development; democracy and development strategies; globalisation and development prospects in least developed countries; IB and institution building; IB and MDG, SDG.		
Literature:	Deends on the topic chosen. The literature will typically be in the fields of IB, macro ecomnomics, empirical microeconomics, and development economics.		
Types of Teaching:	S1 (SS): Seminar (4 SWS) The order of the module semesters is flexible.		
Pre-requisites:	**Mandatory:** Methods of Scientific Analysis, 2025-06-02 **Recommendations:** Economics of Emerging Markets; Resources and Development		
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP: Scientific term paper with defence and discussion		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP: Hausarbeit mit Diskussion und Verteidigung		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP: Scientific term paper with defence and discussion [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies.		

Data:	SIR. MA. Nr. 2911 / Examination number: 62404	Version: 14.07.2016	Start Year: SoSe 2017
Module Name:	**Strategies of the Resource Industry**		
(English):			
Responsible:	Glöser-Chahoud, Simon / Prof.		
Lecturer(s):	Bartz, Stefan		
Institute(s):	Corporate Sustainability and Environmental Management		
Duration:	1 Semester(s)		
Competencies:	• Understand the strategic role of valuations for the resource industry (energy and mining) • Learn basic valuation concepts and their practical application in energy and mining (examples based on real cases) • Transform verbal description of a real business case into a financial model (case studies based on simplified real business cases) Know recent developments of valuation in the relevant industries (e.g. real options, simulations, etc.)		
Contents:	• Context of valuation and strategy development • Case history of a typical metal mine (example) • Economical characteristics of mining and energy businesses • Types of valuations for energy and mining businesses, valuation objects and subjects, staged approach for studies • Input data for valuations, availability to different stakeholders, brainstorming exercises • Role of value chains and industry cost curves for valuation, commodity-like goods and market imperfections (gold, coal, copper, power) • Wholesale power markets, merit order, influence of CO2 emissions trading and renewables (examples) • Application of basic P&L / CF statements for valuations (examples) • Traditional investment decision criteria (NPV, IRR, LAC, LAR, Payback) • Financing models and hurdle rates (examples) • Instruments for the analysis of uncertainty and risk in valuations, exercise “country risk” • Binary decision trees in exploration (example gold) • Real options: Example gas-fired power plant Case study: Prepare evaluation of a business plan and presentation.		
Literature:	Wellmer, F.-W., Dalheimer, M., Wagner, M. (2008): Economic Evaluations in Exploration, Springer Berlin Heidelberg New York. Rudenno, V. (2012): The Mining Valuation Handbook: Mining and Energy Valuation for Investors and Management, 4th Edition, Wiley, New Jersey. Narbel, P., Hanssen, J.P., Lien, J.R. (2014): Energy Technologies and Economics, Springer Berlin Heidelberg New York.		
Types of Teaching:	S1 (SS): Lectures (1 SWS) S1 (SS): Exercises (1 SWS)		
Pre-requisites:	**Recommendations:** To take part in the module „Strategies of the Resource Industry“, it is strongly recommended that the student has prior knowledge of microeconomics and investment and finance. If this is not the case, the		

	student is responsible to make himself familiar with the necessary knowledge.
Frequency:	yearly in the summer semester
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: AP*: Group Work KA* [120 min] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: AP*: Gruppenarbeit KA* [120 min] * Bei Modulen mit mehreren Prüfungsleistungen muss diese Prüfungsleistung bestanden bzw. mit mindestens "ausreichend" (4,0) bewertet sein.
Credit Points:	3
Grade:	The Grade is generated from the examination result(s) with the following weights (w): AP*: Group Work [w: 0] KA* [w: 1] * In modules requiring more than one exam, this exam has to be passed or completed with at least "ausreichend" (4,0), respectively.
Workload:	The workload is 90h. It is the result of 30h attendance and 60h self-studies.

Data:	SCM. MA. Nr. 937 / Examination number: 61305	Version: 06.07.2015	Start Year: SoSe 2016
Module Name:	**Supply Chain Management**		
(English):			
Responsible:	Höck, Michael / Prof. Dr.		
Lecturer(s):	Höck, Michael / Prof. Dr.		
Institute(s):	Professor of Industrial Management, Production Management and Logistics		
Duration:	1 Semester(s)		
Competencies:	In this course students will view the supply chain from the point of view of a general manager. Logistics and supply chain management is all about managing the hand-offs in a supply chain - hand-offs of either information or product. The design of a logistics system is critically linked to the objectives of the supply chain. Our goal in this course is to understand how logistical decisions impact the performance of the firm as well as the entire supply chain. The key will be to understand the link between supply chain structures and logistical capabilities in a firm or supply chain.		
Contents:	Supply Chain Management (SCM) deals with the planning, implementing and controlling of efficient flow and storage of raw materials, in-process inventory, finished goods, and related information from point of origin to point of consumption. Issues discussed in the course will include the total logistics cost approach, supply chain network design and optimizing the overall performance. Effective logistics systems aim towards coordination of transportation, inventory positioning and supply contracts to provide quick service efficiently.		
Literature:	Chopra, S.; Meindl, P. (2006): Supply Chain Management, 3rd Ed., Pearson Prentice Hall, New York. Cachon, G.; Terwiesch, C. (2006): Matching Supply with Demand, McGraw-Hill, Boston.		
Types of Teaching:	S1 (SS): Lectures (2 SWS) S1 (SS): Exercises (2 SWS)		
Pre-requisites:			
Frequency:	yearly in the summer semester		
Requirements for Credit Points:	For the award of credit points it is necessary to pass the module exam. The module exam contains: KA [90 min] PVL: Case Studies PVL have to be satisfied before the examination.		
	Voraussetzung für die Vergabe von Leistungspunkten ist das Bestehen der Modulprüfung. Die Modulprüfung umfasst: KA [90 min] PVL: Fallstudien PVL müssen vor Prüfungsantritt erfüllt sein bzw. nachgewiesen werden.		
Credit Points:	6		
Grade:	The Grade is generated from the examination result(s) with the following weights (w): KA [w: 1]		
Workload:	The workload is 180h. It is the result of 60h attendance and 120h self-studies. Letzteres umfasst Vor- und Nachbereitung der Vorlesungen, die selbständige Bearbeitung von Fallstudien sowie die Vorbereitung auf die Klausur.		

Herausgeber: Die Rektorin der TU Bergakademie Freiberg
Redaktion: Prorektorat für Lehre, Studium und Lebenslanges Lernen
Anschrift: TU Bergakademie Freiberg, 09596 Freiberg
Druck: Medienzentrum der TU Bergakademie Freiberg