Amtliche Bekanntmachungen der TU Bergakademie Freiberg

Nr. 36 vom 29. November 2013

Satzung zur Änderung der Studienordnung für den Masterstudiengang International Management of Resources and Environment (IMRE) vom 11.11.2010

Auf der Grundlage von § 13 Absatz 4 i.V.m. § 36 Absatz 1 des Gesetzes über die Freiheit der Hochschulen im Freistaat Sachsen (Sächsisches Hochschulfreiheitsgesetz – SächsHSFG) vom 10. Dezember 2008 (SächsGVBl. S. 900), zuletzt geändert durch Artikel 1 und 2 des Gesetzes vom 18. Oktober 2012 (SächsGVBl. S. 568), hat der Fakultätsrat der Fakultät für Wirtschaftswissenschaften an der Technischen Universität Bergakademie Freiberg nachstehende

Satzung zur Änderung der Studienordnung für den Masterstudiengang International Management of Resources and Environment (IMRE) an der TU Bergakademie Freiberg

beschlossen.

Artikel 1
Änderungen der Studienordnung

Die Studienordnung für den Masterstudiengang International Management of Resources and Environment (IMRE) (Amtliche Bekanntmachungen der TU Bergakademie Freiberg Nr. 39, Heft 1 vom 12.11.2010) wird wie folgt geändert:

1. Zu § 3
Der Paragraph erhält die folgende Fassung:
„Bei dem Masterstudiengang International Management of Resources and Environment (IMRE) handelt es sich um einen konsekutiven Masterstudiengang mit einem anwendungsorientierten Profil."

2. Zu § 4
§ 4 Absatz 1 wird wie folgt geändert:
a) Nach Absatz 1 Satz 2 Nr. 1 wird folgende Nr. 2 eingefügt:
„2. in der Regel mindestens 1 Jahr Berufserfahrung vorweisen kann,"
b) Die bisherige Nr. 2 wird Nr. 3.

3. Zur Anlage 1: Studienablaufplan
Die Anlage 1 erhält die aus der Anlage zu dieser Satzung ersichtliche Fassung.

4. Zur Anlage 3: Modulbeschreibungen
a) Das Inhaltsverzeichnis wird wie folgt geändert:
ECONOMIC THEORY I: MICRO-ECONOMICS
ECONOMIC THEORY II: MACRO-ECONOMICS
INTERNATIONAL ECONOMICS AND DEVELOPMENT
ASPECTS OF THE INTERNATIONAL LAW OF RESOURCES & ENVIRONMENT 1
OPERATIONS MANAGEMENT & INFORMATION SYSTEMS
COST ACCOUNTING & CONTROLLING
ASPECTS OF BUSINESS MANAGEMENT
MANAGEMENT OF ORGANIZATIONS
PRINCIPLES OF ENVIRONMENTAL MANAGEMENT
SUSTAINABILITY MANAGEMENT
APPLIED ENVIRONMENTAL MANAGEMENT
CASES & STRATEGIES IN ENVIRONMENTAL MANAGEMENT
RESOURCE ECONOMICS AND STRATEGIES OF THE RESOURCE INDUSTRY
ENVIRONMENTAL IMPACT STUDIES
MULTICULTURAL COMMUNICATION, LANGUAGE AND RHETORIC
HISTORY OF THE ENVIRONMENT
ENVIRONMENTAL TECHNOLOGY CORPORATIONS
GERMAN BASIC LEVEL IA

GERMAN BASIC LEVEL IB
GERMAN BASIC LEVEL IIA
GERMAN BASIC LEVEL IIB
GERMAN MEDIUM LEVEL A
GERMAN MEDIUM LEVEL B
ENVIRONMENTAL TECHNOLOGY CORPORATIONS
INTRODUCTION TO MINING
ORE DEPOSITS & ECONOMIC GEOLOGY
OIL, GAS & COAL
ECOSYSTEMS
MATERIAL SCIENCES
ASPECTS OF INTERNATIONAL LAW OF RESOURCES
& ENVIRONMENT 2
MASTERARBEIT INKLUSIVE KOLLOQUIUM

b) Die Beschreibungen der Module „Applied Environmental Management"; "Cases & Strategies in Environmental Management"; „Economic Theory I: Micro-Economics"; Economic Theory II: Macro-Economics"; „Sustainability Management"; „Resource Economics and Strategies of the Resource Industry"; „Environmental Impact Studies"; „Multicultural Communication, Language and Rhetoric", „History of the Environment" erhalten die aus der Anlage zu dieser Satzung ersichtliche Fassung.

Artikel 2
Bekanntmachungserlaubnis

Die Fakultät kann den Wortlaut der Studienordnung für den Masterstudiengang International Business in Developing and Emerging Markets (IBDEM) an der TU Bergakademie Freiberg in der vom Inkrafttreten dieser Satzung an geltenden Fassung in den Amtlichen Bekanntmachungen der TU Bergakademie Freiberg bekanntmachen.

Artikel 3
Inkrafttreten und Geltungsbereich

Diese Änderungssatzung tritt am Tag nach der Veröffentlichung in den Amtlichen Bekanntmachungen der TU Bergakademie Freiberg in Kraft. Sie gilt für alle Studierenden, die nach der Prüfungsordnung für den Masterstudiengang International Management of Resources and Environment (IMRE) (Amtliche Bekanntmachungen der TU Bergakademie Freiberg Nr. 39, Heft 1 vom 12.11.2010) studieren, bezüglich aller Module, deren Prüfungsleistungen sie ab dem Wintersemester 2013/2014 erstmalig ablegen werden.

Diese Änderungssatzung wurde ausgefertigt aufgrund des Beschlusses des Fakultätsrates der Fakultät für Wirtschaftswissenschaften vom 8. Oktober 2013 Sie wurde vom Rektorat der TU Bergakademie Freiberg mit Beschluss vom 11. November 2013 genehmigt.

Freiberg, 21. November 2013

gez. Prof. Dr.-Ing. Bernd Meyer
Rektor

Anlage 1: Studienablaufplan des Masterstudienganges International Management of Resources & Environment (IMRE)

Module	1. Sem.			2. Sem.			3. Sem.			4. Sem.			LP
	V	S	Ü	V	S	Ü	V	S	Ü	V	S	Ü	
Pflichtmodule (required courses)													
Economic Theory I: Micro-Economics	2		2										5
Economic Theory II: Macro-Economics	2		2										4
International Economics and Development				2		2							6
Aspects of the International Law of Resources & Environment 1	1	1											3
Operations Management & Information Systems	3		3										9
Cost Accounting & Controlling	1		1										3
Aspects of Business Management				3		3							9
Management of Organizations							2		2				6
Principles of Environmental Management	1		1										3
Sustainability Management				1		1							3
Applied Environmental Management							2		2				6
Cases & Strategies in Environmental Management							1	2	1				3
Resource Economics and Strategies of the Resource Industry										2		2	6
Environmental Impact Studies										1		1	3
Multicultural Communication, Language and Rhetoric				2		2							6
History of the Environment	1		1										3
Environmental technology corporations							2		2				3
Freie Wahlmodule (free electives) Es sind Module im Umfang von 15 Leistungspunkten aus dem Angebot der Bergakademie Freiberg auf Masterlevel zu wählen.[1] Studierende, die Deutsch nicht zur Muttersprache haben, müssen dabei Deutsch-Module[2] im Umfang von 8 LP belegen.													
German Basic Level IA	2		2										4
German Basic Level IB				2		2							4
German Basic Level IIA							2		2				4
German Basic Level IIB										2		2	4

German Medium Level A	2		2										4
German Medium Level B				2		2							4
Wahlpflichtmodule (core electives) Es sind je nach Angebot Module im Umfang von 6 LP aus folgenden Modulen zu wählen.[2]													
Introduction to Mining							1		1				3
Ore Deposits & Economic Geology										1		1	3
Oil, Gas & Coal										1		1	3
Ecosystems							1	2					4
Material Sciences										1		1	3
Aspects of International Law of Resources & Environment 2										1	1		3
Masterarbeit inklusive Kolloquium													18
Total SWS													120

Legende:
SWS = Semesterwochenstunde
V = Vorlesung
S = Seminar
Ü = Übung
LP = Leistungspunkte

[1] Art und Umfang der Lehrveranstaltungen sowie die Zahl der zu erwerbenden Leistungspunkte sind in den Studienordnungen derjenigen Studiengänge geregelt, die das gewählte Modul zum definierten Bestandteil (nicht als Freies Wahlmodul) haben.

[2] Das Angebot an Wahlpflichtmodulen bzw. Freien Wahlmodulen kann auf Vorschlag der Studienkommission durch den Fakultätsrat der Fakultät für Wirtschaftswissenschaften geändert bzw. erweitert werden. Das aktuelle bzw. erweiterte Angebot ist zu Semesterbeginn durch Aushang bekannt zu machen.

Anlage 3: Modulbeschreibungen

Code/ Dates	EMA .MA.Nr. 2909	Version: 11.09.2013	Start: WT 2009/10
Name	Applied Environmental Management		
Responsible	**Surname** Bongaerts **First name** Jan C. **Academic Title** Prof. Dr.		
Lecturer(s)	**Surname** Bongaerts **First name** Jan C. **Academic Title** Prof.		
Institute(s)	Chair of Environmental & Resource Management		
Duration	One Semester		
Competencies	The purpose of the cluster is to introduce concepts environmental management within a specific business or industrial context. Attention is paid to legal requirements, modelling techniques, costs calculations and monitoring and control of performance. Practical problems are associated with the management waste and environmental (and health) risks.		
Content	Using the “applied approach” two areas of environmental management are studied. On the one hand, there is the subject of Management of Residuals (MOR): what is waste?, characteristics of waste legislation, waste legislation put to practice in management structures, case studies on waste management, environmental costing and waste, waste management and recycling, waste to energy. On the other hand, there is the subject of the Assessment and management of environmental risks with special attention to chemicals (ERA): environmental risk modelling, environmental risk management, instruments of environmental risk management, environmental risk and costing, case studies.		
Literature	P. Agamuthu, University of Malaya, Kuala Lumpur, Malaysia (Ed.): Waste Management & Research, International Solid Waste Association (ISWA) European Commission, Eurostat: Environmental statistics and accounts in Europe, 2010 Edition, 246 pp available at http://epp.eurostat.ec.europa.eu/cache/ITY_OFFPUB/KS-32-10-283/EN/KS-32-10-283-EN. Glenn W. Sluter II, Ecological Risk Assessment, Second Edition CRC Press, Tylors and Francis, 2007, Boca Raton, Florida		
Types of Teaching	Teaching, seminars, individual course work and self-study, compilation of materials for presentations. Lectures (2 SWS) and tutorials (2 SWS).		
Pre-requisites	Cluster PREMAN.		
Applicability	The cluster and parts of it are not only accessible to the MBA IMRE students but also to interested students of other programmes, such an engineering, geo-ecology.		
Frequency	Every course within the cluster is taught once within an academic year.		
Requirements for Credit Points	For each of the two courses within the cluster (MOR, ERA), a written test has to be taken upon preliminary presentation of papers of 10 pages of length.		

Credit Points	Within this cluster, 6 Credits can be awarded
Grade	The overall grade for the cluster is calculated as the arithmetic average of the grades of the individual tests.
Workload	The total time normally budgeted for the cluster is 180 hours, of which 60 hours are spent in class and the remaining 120 hours are spent on preparation and self-study.

Code/ Dates	CASEMAN.MA.Nr.2910	Version: 11.09.2013	Start: WT 2009/10
Name	Cases & Strategies in Environmental Management		
Responsible	**Surname** Bongaerts **First Name** Jan C. **Academic Title** Prof. Dr.		
Lecturer(s)	**Surname** Liu **First Name** Jiangxue **Academic Title** Dipl.-Kff.		
Institute(s)	Chair for Environmental & Resource Management		
Duration	1 Semester		
Competencies	The cluster intends to give students the knowledge and the ability to understand the business and the strategic choices and decision making processes of corporations in the environmental and natural resources sectors. Moreover, they will have to work themselves through case studies in order to be able to gain practical knowledge of these issues.		
Content	Definitions, structure size and trends of the international environmental and natural resources industries, frameworks of business in these sectors, in particular within the string regulatory arrangement and the high environmental standards, globalisation of companies and local delivery of services.		
Literature	Mario Cogoy and Karl W. Steininger (2007): The Economics of Global Environmental Change – International Cooperation for Sustainability International Energy Agency. (2009): World Energy Outlook United Nations Development Programme; et al. [editor] (2008): World Resources 2008 – Growing the Wealth of the Poor, World Resources Institute, New York. Labatt S. & White R.R. (2007): Carbon finance – The financial implications of climate change United Nations International Programme. (2011). Recycling rates of metals Hatch, G.P. (2011), Critical Rare Earth: Global Supply & Demand Projections and the Leading Contenders for New Sources of Supply, in Technology Metals Research, LLC. Pindyck, R.S. (1978): The optimal exploration and production of exhaustible resources, in: Journal of Political Economy Kneese, A.V./ Sweeney, J.L. (1993): Handbook of Natural Resource and Energy Economics, volume 3, Amsterdam: Elsevier Science Publishers B.V. Tom Tietenberg (2000): Environmental and Natural Resource Economics 5th ed, in Addison-Wesley		
Types of Teaching	Lectures (1 SWS), seminars (2 SWS) and tutorials (1 SWS)		
Pre-requisites	Admission to a graduate programme of the university (MBA IMRE or other Master's Programmes) or admission through Exchange programmes (e.g. ERASMUS)		
Applicability	The cluster and parts of it are not only accessible to the MBA IMRE students but also to interested students of other programmes, such an engineering, geo-ecology.		
Frequency	The cluster is offered once within an academic year.		

Requirements for Credit Points	For completion of the cluster, a paper of minimally fifteen pages will have to be prepared and presented during a twenty minutes session, which includes a ten minutes discussion
Credit points	3
Grades	Combined grading of written paper and oral presentation
Workload	The total calculated time effort for the Cluster is set at 180 hours, of which 60 hours are dedicated to class attendance and 120 hours are budgeted for self-study.

Code/ Version	ECOTHE.MA.Nr. 3420	Version: 12.03.13	Start: WT 2013/14
Name	Economic Theory: MICRO-ECONOMICS		
Responsible	**Surname** Schönfelder **First name** Bruno **Academic Title** Prof. Dr.		
Lecturer(s)	**Surname** Schönfelder **First name** Bruno **Academic Title** Prof. Dr.		
Institute(s)	Faculty of Business Administration, Chair of economics		
Duration	1 semester		
Competencies	Students become proficient in microeconomic theory (at an intermediate level)		
Content	The course offers an overview of all relevant micro-economic topics such as the economics of the firm, supply and demand, market structures, competition and monopoly, labor markets.		
Literature	Friedman, D. (1996): Hidden Order. New York: Harper Pindyck, Robert S. and Rubinfeld. Daniel L.: Microeconomics. Pearson 2012.		
Types of Teaching	Lectures (2 SWS) and tutorials (2 SWS)		
Pre-requisites	No previous knowledge of economics is required. Students should be familiar with calculus.		
Applicability	MBA IMRE Programme		
Frequency	The module runs every winter semester in the academic year.		
Requirements for Credit Points	A midterm test will be offered, this is a prelim. At the end of the course there will be a written exam of 90 minutes. Successful participation in the prelim is a prerequisite for participating in the exam. Further details are announced in class.		
Credit Points	5		
Grade	The grade earned in the written exam determines the overall grade for the cluster.		
Workload	The total time budget for the module is set at 180 hours, of which 60 hours are spent in class and the remaining 120 hours are spent on self-study. Self-studies include assignments, preparation and wrapping up of lectures as well as preparation of presentations and of examinations.		

Code/Version	ECOTHE2.MA.Nr. 3421	Version: 12.03.13	Start: WT 2013
Name	ECONOMIC THEORY: MACRO-ECONOMICS		
Lecturer(s)	**Surname** Schönfelder **First name** Bruno **Academic Title** Prof. Dr.		
Institute(s)	Faculty of Business Administration, Chair of economics		
Duration	1 semester		
Competencies	Students learn to analyze economic problems from the macro-economic perspective		
Content	The course relates to all relevant issues of macro-economics, such as national output and income, aggregate demand and supply, employment, fiscal and monetary policy ….		
Literature	Barro, R. (2008): Macroeconomics: A Modern Approach. Mason, Ohio: Thomson Higher Education. Friedman, D. (1996): Hidden Order, New York: Harper.		
Types of Teaching	Lectures (2 SWS) and tutorials (2 SWS)		
Pre-requisites	No previous knowledge of economics is required.		
Applicability	MBA IMRE Programme and the Master Programme in International Business in Emerging and Developing Markets (IBDEM).		
Frequency	The module runs every winter semester in the academic year.		
Requirements for Credit Points	A midterm test will be offered, this is a prelim. At the end of the course there will be a written exam of 90 minutes. Successful participation in the prelim and the fulfilment of up to three assignments are prerequisites for participating in the exam. Further details are announced in class.		
Credit Points	4		
Grade	The grade earned in the written exam determines the overall grade for the cluster.		
Workload	The total time budget for the module is set at 180 hours, of which 60 hours are spent in class and the remaining 120 hours are spent on self-study. Self-studies include assignments, preparation and wrapping up of lectures as well as preparation of presentations and of examinations.		

Code/Version	SUSTMAN.Nr. 2908	Version: 12.03.2013	Start: ST 2013
Name	Sustainability Management		
Responsible	**Surname** Bongaerts **Name** Jan C. **Titel** Prof. Dr.		
Lecturers	**Surname** Bongaerts **Name** Jan C. **Titel** Prof. Dr. **Surname** Gurita **Name** Nicoleta **Titel** MBA IMRE		
Duration	One Semester		
Competencies	The aim of teaching of this cluster is that students get familiar with the concept of sustainability, its scope and the interrelation between the economic, social and ecological dimensions. It is intended that students will develop the ability to critically assess situations and make appropriate decisions as well as develop further their personal communication skills while working in teams and participating in lecture activities.		
Content	Since there are several angles to the theme of sustainable development the course starts with the fundamentals by providing a comprehensive theoretical overview of the concept of sustainable development. The course follows then with a more practical oriented approach using case studies. Throughout the course students will get good understanding of the implications of several approaches to sustainability for policy making, environmental management and inter-disciplinary research. Teaching is combined with assignments, group activities and guest lectures. The course is structured as follows: 1. The concept of sustainability, 2. Conceptual and theoretical foundations of sustainability (part I and II), 3. Sustainability indicators and Reporting Frameworks 4. Life Cycle Assessment - Concept Overview -, 5. Introduction to Sustainable Banking and Sustainable Asset Management, 6. Global Trends in Sustainability.		
Literature	- Environmental issues: an introduction to sustainability, McConnell, Robert L. (2008) - Sustainability: a systems approach, Clayton, Anthony M.H. (1996) - The clean development mechanism, sustainable development and its assessment, Burian, Martin (2006) Carbon Finance – The Financial Implications of Climate Change, Labatt S. & White R.R. (2007)		
Types of teaching	Lectures (1 SWS) and tutorials (1 SWS)		
Pre-requisites	No previous knowledge and skills is required.		
Applicability	The cluster is not only accessible to the MBA IMRE students but also to students of other programs such as engineering and geo-ecology.		
Frequency	The course is taught once within an academic year.		
Requirements for credit points	Writing of a term paper with presentation at the end of the semester		
Credit points	3		
Grades	The final grade is calculated according to the following weights: Term paper 70% Presentation 30%		

Amount of work	The total time normally budgeted for the course is 90 hours, of which 30 hours are spent in class and the remaining 60 hours are spent on preparation and self-study.

Code/Version	RESECON.MA.Nr. 2911	Version: 12.03.2013	Start: ST 2013
Name	Resources Economics and Strategies of the Resource Industry		
Responsible	**Surname** Bongaerts **First Name** Jan C. **Academic Title** Prof. Dr.		
Lecturer(s)	**Surname** Bongaerts **First Name** Jan C. **Academic Title** Prof. Dr. **Surname** Bartz **First Name** Stefan		
Institute(s)	Chair for Environmental & Resource Management		
Duration	One Semester		
Competencies	The cluster intends to give students the knowledge and the ability to understand the economic principles of resource economics and their usage for the strategic development of companies within the (upstream) natural resource industry. It is split into a theoretical part (Economics of Resources – ER) and an applied part (Strategies of the Resource Industry – SIR).		
Contents	Optimal control theory and depletable and renewable resources, population growth and resources, resources in a globalized world, resource markets. Economic effects of resource wealth, Structure and size of the international resources industry, setting objectives and developing long-term planning instruments, assessing performance through controlling instruments, economic feasibility studies, in the mining and energy sectors, economic evaluation of environmental impacts, case studies.		
Literature	United Nations Development Programme; et al. [editor] (2005): World Resources 2005 – The Wealth of the Poor, World Resources Institute, New York. Roger Perman et al. Natural Resource and Environmental Economics (3rd Ed.) (2003), Addison- Wesley-Longman L. Weber, G. Schack, C. Reichel, M. SchatzWorld Mining Data (Annual publication of the Austrian Ministry of Economic Affairs), avilable, at http://www.bmwfj.gv.at/EnergieUndBergbau/WeltBergbauDaten/Documents/WMD2012druckbar.pdf Wellmer, F.-W., Dalheimer, M., Wagner, M. (2008): Economic Evaluations in Exploration, Springer Berlin Heidelberg New York. Rudenno, V. (2004): The Mining Valuation Handbook, 2nd ed., Wrightbooks, Melbourne.		
Types of Teaching	Teaching, seminars, individual course work and self-study, compilation of materials for presentations		
Pre-requisites	Admission to a graduate programme of the university (MBA IMRE or other Master's Programmes) or admission through Exchange programmes (e.g. ERASMUS)		
Applicability	The cluster is accessible to the MBA IMRE students and other interested students of other programmes, such as engineering, geo-ecology and IBDEM		
Frequency	Every course is taught once within an academic year.		
Requirement for Credit Points	For completion two written tests of 90 minutes each have to be prepared. In addition, assignments and paper are written as prelims.		

Credit Points	Within this cluster, 6 Credits can be awarded**.**
Grade	The overall grade for the cluster is composed from the arithmetic average of the grades of the two written tests. Each test must be passed with a grade of 4.0 or better. .
Workload	The total calculated time effort for the cluster is set at 180 hours, of which 60 hours are dedicated to class attendance and 120 hours are budgeted for self-study.

Code/Version	ENVIMPACT.MA.Nr.3422	Version: 12.03.2013	Start: ST 2013
Name	Environmental Impact Studies		
Responsible	**Surname** Bongaerts **First Name** Jan C. **Academic Title** Prof. Dr.		
Lecturer(s)	**Surname** Bongaerts **First Name** Jan C. **Academic Title** Prof. Dr.		
Institute(s)	Chair for Environmental & Resource Management		
Duration	One Semester		
Competencies	The cluster intends to give students the knowledge and the ability to understand the scientific background and the procedural approach of assessing environmental impacts associated with the exploration, the extraction and the processing of natural resource		
Contents	Legal background of Environmental Impact Studies EIS) and Environmental impact Assessment (EIA), purposes of EIS, Structure of EIS and EIA, procedural phases, reporting and interpretation of EIS and EIA outcomes.		
Literature	Kausch, P.; Ruhrmann, G. (2002): Environmental Management, Environmental Impact Assessment of Mining Operations. Logabook. Environmental Impact Assessment Handbook: A Practical Guide for Planners, Developers and Communities, available at http://www.ice.org.uk/Information-resources/Document-Library/Environmental-Impact-Assessment-Handbook--A-Practical .		
Types of Teaching	Teaching, seminars, individual course work and self-study, compilation of materials for presentations		
Pre-requisites	Admission to a graduate programme of the university (MBA IMRE or other Master's Programmes) or admission through Exchange programmes (e.g. ERASMUS)		
Applicability	The cluster is not only accessible to the MBA IMRE students but also to interested students of other programmes, such an engineering, geo-ecology.		
Frequency	The cluster is taught once within an academic year.		
Requirement for Credit Points	A written test of 90 minutes will have to be taken. A fifteen Minutes presentation is a prelim.		
Credit Points	Within this cluster, 3 Credits can be awarded.		
Grade	The grade results from the outcomes of the written test.		
Workload	The total calculated time effort for the cluster is set at 120 hours, of which 30 hours are dedicated to class attendance and 90 hours are budgeted for self-study.		

Code/Version	MCCLR .MA.Nr. 2930	Version: 12.04.2013	WS 2013/14
Name	Multicultural Communication, Language and Rhetoric		
Responsible	**Surname** Hinner **First name** Michael **Academic Title** Prof. Dr.		
Lecturer(s)	**Surname** Hinner **First Name** Michael **Academic Title** Prof. Dr.		
Institute(s)	Business and Intercultural Communication		
Duration	One semester		
Competencies	The module seeks to transmit, on the one hand, how scientific papers are researched, written, and presented in academic English and, on the other hand, how culture influences human communication and behavior.		
Contents	The module consists of two courses and is structured as follows: 1. Scholarly Rhetoric: The participants learn how to research, write, present, and discuss a scientific paper. To that end, the following topics will be addressed: Academic style and ethics; formulating research questions and hypotheses; quantitative, qualitative, experimental research, field studies, and content analysis methods; measurement in communication research; paper content; style and layout; documenting sources; writing abstracts and summaries; editing; presentations; discussions. 2. Intercultural Communication: The lecture focuses on the following topics: Culture, supraculture, macroculture, microculture; the perceptual process, description, interpretation, and evaluation; ethnocentrism, stereotypes, and prejudice; belief systems, values, and attitudes; culture and communication; culture and identity; culture shock; intercultural competence.		
Literature	Scripts will be sold at the beginning of each course; Hinner, M. B. Ed. (2007, 2010). *Freiberger Beiträge zur interkulturellen und Wirtschaftskommunikation,* Volume 4 and 7. Frankfurt/M: Peter Lang. Additional readings will be based on the selected topics for the assignments and include various books, journals, and electronic sources.		
Types of Teaching	Lectures (2 SWS) and tutorials (2 SWS)		
Pre-requisites	Abitur-level English, or equivalent knowledge of English.		
Applicability	Master's program in International Business in Emerging and Developing Markets (IBDEM), or equivalent.		
Frequency	The cluster is taught once within an academic year.		
Requirements for Credit Points	Conducting research, submitting a written assignment, preparing and holding a formal presentation in English (Scholarly Rhetoric) as well as a written exam, i.e. "Klausurarbeit" (90 minutes) in English (Intercultural Communication)		
Credit Points	6		
Grade	The final grade is derived from the written assignment (AP 1, 40%), the formal presentation (AP 2, 10%), and the written		

	exam, i.e. “Klausurarbeit” (KA, 50%). Each of these three tasks (i.e. AP 1, AP 2, KA) must be passed with at least the German grade of 4.0 (“sufficient”) or better.
Workload	The total time budgeted for the module is 180 hours of which 60 hours are spent in class and the remaining 120 hours are spent on self-study. Self-study includes preparation and follow-up work for in-class instruction as well as preparation for and completion of the written assignment, the formal presentation as well as the written exam, i.e. “Klausurarbeit.”

Code/Version	HISTENV.MA.Nr.3424	Version: 12.04.2013	Start: WT 2013/14
Name	History of the Environment		
Responsible	**Surname** Albrecht **First Name** Helmuth **AcademicTitle** Prof. Dr.		
Lecturers	**Surname** Pohl **First Name** Norman **Academic Title** Dr.		
Institute	Institute for Industrial Archaeology and History of Science and Technology		
Duration	**1 Semester**		
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.		
Content	The module offers an introduction to the development of environmental protection and technology.		
Literature			
Types of Teaching	Lectures (2 SWS)		
Pre-requisites	Abitur-level English or equivalent knowledge of English.		
Applicability	IMRE MBA program, but also applicable to other master's level programs at the university. Master program Industriearchäologie and Master program Industriearchäologie/Industriekultur.		
Frequency	The module runs in the summer semester		
Requirements for Credit Points	Giving a 20 minute presentation as well as submitting a 12 page paper		
Credit Points	3		
Grade	The final grade is derived from the 20 minute presentation and the 12 page paper, both with the same weight. The paper must be passed with at least the German grade of 4.0 ("sufficient") or better.		
Workload	The total time budgeted for the module is 90 hours of which 30 hours are spent in class and the remaining 60 hours on self-study. 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.		

Code	STRATETC.Nr. 3424	Version: 12.03.2013	Start: WT 2013/14
Name	Environmental Technology Corporations		
Responsible	**Surname** Bongaerts **Name** Jan C. **Titel** Prof. Dr.		
Lecturer	**Surname** Bongaerts **Name** Jan C. **Titel** Prof. Dr.		
Duration	One Semester		
Competencies	The aim is to explain the meaning and the scope of environmental technologies (ET) and of the industry which makes use of them for environmental protection purposes. The specific educational objective is to raise awareness for the link between major environmental problems at global/local scale and the ET Industry.		
Content	Definitions of Environmental Technologies (ET) as given by the World trade Organization (WTO), the OECD and the EU, statistical overview of the size of the ET Industry, Environmental problems with a global-local scope, such as access to safe water, land erosion and contamination, access to clean energy, the potential contribution for solutions offered by the ET Industry, regulatory frameworks, in particular related to Private-Public-Partnerships		
Literature	OECD (Ed.): Studies in Environmental Innovations – Invention and Transfer of Environmental Technologies, 2011, available at. http://browse.oecdbookshop.org/oecd/pdfs/product/9711091e.pdf The World Bank (Ed.): Sustaining water for all in a changing climate: World Bank Group Implementation Progress Report, 2010, available at http://water.worldbank.org/publications/sustaining-water-all-changing-climate-world-bank-group-implementation-progress-report Philippe Marin: Public-Private-Partnerships for Water Utilities, A Review of Experiences from Developing countries, 2009, The World Bank, PPIAF, available at http://www.ppiaf.org/sites/ppiaf.org/files/FINAL-PPPsforUrbanWaterUtilities-PhMarin.pdf		
Types of teaching	Lectures (1 SWS) and tutorials (1 SWS)		
Pre-requisites	No previous knowledge and skills is required.		
Applicability	The cluster is not only accessible to the MBA IMRE students but also to students of other programs such as engineering and geo-ecology.		
Frequency	The course is taught once within an academic year.		
Requirements for credit points	Written test of 90 minutes with term paper to be presented as a prelim		
Credit points	3		
Grades	The final grade results from the outcomes of the written test		
Amount of work	The total time normally budgeted for the course is 90 hours, of which 30 hours are spent in class and the remaining 60 hours are spent on preparation and self-study.		

Herausgeber: Rektor der TU Bergakademie Freiberg

Redaktion: Prorektor Bildung

Anschrift: TU Bergakademie Freiberg
Akademiestraße 6
09599 Freiberg

Druck: Medienzentrum der TU Bergakademie Freiberg