

Modul 33: International Classroom

Studiengang / course:	M. Eng. Energie- und Umweltmanagement / M. Eng. Energy and Environmental Management
Modulbezeichnung / module name:	International Classroom
ggf. Kürzel / abbreviation	IC
ggf. Untertitel / subtitle	-
ggf. Lehrveranstaltungen / seminar:	-
Semester / semester:	The module is offered once a year. The preparation seminar takes place during the second semester, the International Class takes place in the semester break at the end of the second semester.
Modulverantwortliche(r) / person in charge of module:	Dipl.-Ing. Wulf Boie
Dozent(in) / person teaching the seminar:	Dipl.-Ing. Wulf Boie Prof. Dr. Bernd Möller Dipl. Soz. Päd. Dorsi Germann
Sprache / language:	English
Zuordnung zum Curriculum / attribution to courses:	M. Eng. Energy and Environmental Management for 'Developing countries' Compulsory Module
Lehrform / SWS / form of seminar / teaching hours per week:	Preparation seminar: 3 teaching hours/week (3 SWS) Project: 90 teaching hours (five week block) (6 SWS) Total: 9 SWS The module is organised as a project seminar and follows the steps of the project learning approach. Methodological details are described under "contents". Max. 25 students
Arbeitsaufwand / student workload:	Preparation seminar Attendance: 30 hours Individual work: 90 hours Project Guided Project Work: 180 hours
Kreditpunkte / credit points:	10 ECTS
Voraussetzungen nach Prüfungsordnung/ preconditions according to examination regulations:	Successful completion of all required compulsory and mandatory elective modules
Modulziele / angestrebte Lernergebnisse / aims of the module / aspired learning outcome:	The overall goal of the module is to enable the students to plan, prepare and carry out a comprehensive field study in a multi disciplinary and multicultural team Specific Objectives The students - are able to define and narrow down a comprehensive research problem to specific research questions - are able to select and apply the appropriate methods of social and technical research in the energy sector - are able to design and monitor an activity and time planning

	<ul style="list-style-type: none"> - have improved their project organisation skills - have improved their capability to think multidisciplinary - have improved their capability to work in intercultural and multidisciplinary teams under time pressure - have improved their problem solving and conflict resolution skills - have developed the attitudes and communicative skills to work in an unfamiliar environment - are able to write up and present a research report in a team - are able to apply and combine the knowledge learned during the course of studies
<p>Inhalt / subjects covered:</p>	<p>The International Class provides the opportunity to apply and combine the knowledge and competencies, gained so far during the course of studies, in a real life situation. It is organised in close co-operation with partner organisations abroad. While the preparation class is organised at the university, the practical exercise takes place abroad, preferably in a rural community development situation. The module follows the typical phases of the project based learning approach.</p> <p>The first two steps take place in the preparation seminar during the winter term:</p> <ol style="list-style-type: none"> 1. Defining the project: The framework and scope of the project is outlined by the partner organisation in co-operation with the University of Flensburg. The project has then to be defined more in detail and narrowed down by the students during the preparation class. 2. Preparing the project: During the preparation class the students have to obtain first information about the project site and the research topic. They develop a research plan, select appropriate methodologies and work out research instruments. <p>The project exercise itself is carried out abroad:</p> <ol style="list-style-type: none"> 3. Accomplishment: The students travel to the project site abroad. After a first introduction by the partner organisations the students split into smaller groups (if the students group comprises more than 12 students), which are accompanied by a lecturer. They improve and finalise their planning and the research instruments and thereafter collect information at their research sites, applying different social and technical research methods. This phase usually takes two weeks. Within another two weeks the students have to analyse the information, draw conclusion, elaborate suggestions and write up a report.

	<p>4. Presentation and Evaluation: Within a public meeting the report is presented and handed over to the communities and the partner organisation. For the students the discussion with the public and the partners after the presentation constitutes a first evaluation of their work.</p> <p>During the past nine years the International class has been carried out in Scotland in co-operation with the Highland and Island Enterprise</p>
<p>Studien- Prüfungsleistungen / form of examination:</p>	<p>Each student has to do one individual presentation during the preparation seminar and submit an preparatory paper of 6-8 pages/student. The preparatory paper may be elaborated by teams of two students. In this case the chapters of the paper have to be assigned to individuals.</p> <p>During the project exercise the students elaborate and present a final report (project report) as a team (6-8 pages/student) with assigned and quantified individual contributions. The individual grades are based on the quantity and quality of the individual contribution of each student (60%) and the overall quality of the report and presentation as a teamwork (40%).</p> <p>The final individual grade is made up of the grade for the preparatory paper (40 %) and the grade for the project report (60%)</p>
<p>Medienformen / media used:</p>	<p>Media</p> <p>preparation seminar</p> <ul style="list-style-type: none"> • Power point presentation, Flip chart, Pin board, cards • Handouts, e-books and weblinks available on BSCW-server <p>project exercise</p> <ul style="list-style-type: none"> • Power point presentations, Flip charts • Notebook, planning software depending on project • Measurement instruments depending on project
<p>Literatur / literature:</p>	<p>As the topics of the International Classes change, specific bibliographies will be compiled for each International Class separately</p>