

**Examination regulations (Rules) of the Faculty of Agricultural and Nutritional Sciences and the Faculty of Mathematics and Natural Sciences at the Christian-Albrechts-Universität zu Kiel (CAU) for the Discipline “Environmental Management”, leading to a Master of Science degree (M.Sc.) of 11 July 2013**

Version published on 23 August 2013 (Bulletin of the Ministry of Education and Science of the Land Schleswig-Holstein (NBl. HS. MBW. Schl.-H.) p. 65)

Based on Section 52 (1) Sentence 1 of the Schleswig-Holstein Higher Education Act (HSG) of 28 February 2007 (GVObI. Schleswig-Holstein, page 184), most recently amended by Article 1 of the Act of 4 February 2011 (GVObI. Schleswig-Holstein, page 34, corrected GVObI. Schleswig-Holstein, page 67), after a resolution was passed by the Convention of the Faculty of Mathematics and Natural Sciences of 19 June 2013 and the Convention of the Faculty of Agricultural and Nutritional Sciences at the Christian-Albrechts-Universität zu Kiel of 13 June 2013, the following Rules were issued:

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## **§1**

### **Scope of application**

These Examination Regulations in conjunction with the Examination Procedure Regulations (Rules) of Christian-Albrechts-Universität zu Kiel for students of Bachelor's and Master's Degree Programmes (PVO) apply to the teaching and assessment of the Master's degree programme "Environmental Management". Admission of modules offered by other faculties or other institutes of the same faculty and the respective module examinations are subject to the examination regulations of the respective faculties or institutes. The study periods, conditions and regulations at the Irkutsk State University, Russia (ISU) apply for students studying at the ISU as part of the 'Double-Degree' cooperation agreement, if these are not specially regulated in the "Double-Degree" cooperation agreement in Appendix 5. Modules which are completed within this scope count as part of this degree programme, and are recognised pursuant to the Recognition Rules.

## **§ 2**

### **Objective of the degree programme**

The Master's degree programme "Environmental Management" facilitates to obtain a degree qualifying for a professional career. The final examination ascertains whether the candidate has obtained an advanced scientific-methodological qualification in the field of Managing Natural Resources.

## **§ 3**

### **Academic title**

1. If the Master's course is completed with at least an overall mark of "sufficient", the Faculty of Agricultural and Nutritional Sciences and the Faculty of Mathematics and Natural Sciences award the degree of Master of Science (M.Sc.).
2. This also applies to students who have studied according to the ISU-CAU Double Degree Programme, in addition to the degree awarded by the Irkutsk State University.

## **§ 4**

### **Admission to the Master's degree programme**

Prerequisites for admission to the Master's degree programme are:

1. a Bachelor's degree (B. Sc.) with a grade of "good" (2.5) or higher, from the fields of natural sciences and economics, agricultural sciences and forestry, geography, engineering with particular relevance to the environment, or an equivalent degree in a related degree programme.
2. admission by the Joint Examination Board of the Faculty of Agricultural and Nutritional Sciences and the Faculty of Mathematics and Natural Sciences at the Christian-Albrechts-Universität zu Kiel following a successful subject-specific entrance test, and
3. evidence of a sufficient command of English in the form of an IELTS/TOEFL test or a comparable examination. More details can be found in the study qualification rules (Studienqualifikationssatzung).
4. The presence of the additional prerequisites for admission to the "Double Degree" Programme with the ISU is determined by the joint Cooperation Board of the ISU and the CAU, in accordance with the requirements set out in the Cooperation Agreement between the ISU and the CAU (see Appendix 5).

## **§ 5**

### **Structure of curriculum**

The standard period of study for the Master's degree programme is 4 semesters and comprises 120 ECTS credits. The type and number of examinations for the modules are listed in Annex 1.

For information purposes only, the German original is binding.

In order to acquire the academic grade in accordance with § 3 (2), a minimum of 30 ECTS credits must be obtained at the CAU.

The degree programme is divided into the following sections:

Semester	Compulsory	Optional	Optional	Optional	Optional
1	Section A: Core Module (6 ECTS)	Section B: Knowledge and Analysis (6 ECTS)	Section B: Knowledge and Analysis (6 ECTS)	Section C: Communication & Empowerment (6 ECTS)	Section D: Complementary Methods (6 ECTS)
2	Section A: Project 1 (6 ECTS)	Section B: Knowledge and Analysis (6 ECTS)	Section B: Knowledge and Analysis (6 ECTS)	Section C: Communication & Empowerment (6 ECTS)	Section E: Open Studies (6 ECTS)
3	Section A: Project 2 (6 ECTS)	Section B: Knowledge and Analysis (6 ECTS)	Section B: Knowledge and Analysis (6 ECTS)	Section E: Open Studies (6 ECTS)	Section E: Open Studies (6 ECTS)
4	Section E – Master Project (30 ECTS)				

The following specifications apply to the sections of the degree programme:

Section	ECTS
<b>Section A: Core Modules (Compulsory)</b> <ul style="list-style-type: none"> <li>Module "Concepts of Sustainable Development and Environmental Management" (6 ECTS)</li> <li>Project 1 (6 ECTS)</li> <li>Project 2 (6 ECTS)</li> </ul>	18
<b>Section B: Knowledge and Analysis (Optional)</b> <ul style="list-style-type: none"> <li>In Section B, 36 ECTS must be obtained from the following specialised fields: <ul style="list-style-type: none"> <li>B3 Environmental Management</li> <li>B4 Coastal Systems</li> <li>B5 Systems Theory and Ecosystem Analysis</li> <li>B6 Ecohydrology and Geoecology</li> <li>B7 Human Development in Landscapes</li> <li>B8 Functional Ecology</li> </ul> </li> <li>Each student should normally select two specialised fields in each of which he/she will obtain 18 ECTS.</li> </ul>	36
<b>Section C: Communication and Empowerment (Optional)</b> <ul style="list-style-type: none"> <li>12 ECTS must be obtained in Section C.</li> </ul>	12
<b>Section D: Complementary Methods (Optional)</b> <ul style="list-style-type: none"> <li>6 ECTS must be obtained in Section D.</li> </ul>	6
<b>Section E: Open Studies (Optional)</b> <ul style="list-style-type: none"> <li>18 required ECTS must be obtained in Section E.</li> <li>The ECTS credits can be obtained in the following sections: <ol style="list-style-type: none"> <li>Modules from Sections B, C and D, which were not previously taken.</li> <li>All other modules from the School of Sustainability which have available spaces.</li> <li>Modules which have been passed abroad or at other German institutions of higher education.</li> <li>Modules from the CAU's entire range of modules.</li> </ol> </li> <li>The selection and recognition of modules in Sections (c) and (d) must be approved by the Joint Examination Board.</li> <li>Modules from other degree programmes, which cover the same content as courses which have already been completed, cannot be recognised.</li> </ul>	18
<b>Section F: Master's thesis</b>	30

The Joint Examination Board determines any changes to the range of modules.

## § 6

### **Structure of the curriculum for the ISU-CAU Double Degree Programme in Environmental Management**

The standard period of study for the Master's degree programme is 4 semesters and comprises 120 ECTS credits.

The following structure of curriculum applies to students participating in the ISU-CAU Double Degree Programme:

- CAU students complete the third semester at the ISU, as per Appendix 2.
- ISU students complete the third semester at the CAU, as per Appendix 1.
- Students can choose whether they wish to prepare their Master's thesis at the CAU or the ISU.

In order to acquire the academic grade in accordance with § 3, a minimum of 30 ECTS credits must be obtained at the CAU.

## § 7

### **Academic year**

- (1) The degree programme governed by these degree-specific Examination Regulations is structured by academic year, beginning with the winter semester. As a general rule, a course will be offered once annually. Courses which, according to the curriculum are planned for an odd-numbered semester, are generally offered in the winter semester. Courses which, according to the curriculum are planned for an even-numbered semester, are generally offered in the summer semester.
- (2) Registrations for odd-numbered semesters are only possible in the winter semester and for even-numbered semesters only in the summer semester.

## § 8

### **Teaching and examination language**

Lectures and examinations will be held in English.

## § 9

### **Examination Board**

Contrary to the provisions of the Examinations Regulations (PVO), the Examination Board consists of four members who are Higher Education Institute Lecturers, one member from the area of scientific services and two members from the student body. Those individuals in the Faculty responsible for teaching matters, the course and examinations are members with an advisory vote. The members of the Examination Board and their proxies are appointed by the Conventions of the Faculty of Agricultural and Nutritional Sciences and the Faculty of Mathematics and Natural Sciences, constituted by persons involved in the degree programme.

## § 10

### **Module examinations and module grades**

- (1) Examinations may consist, in particular, of assignments, projects, written examinations, reports, seminar contributions, seminar papers, presentations and oral examinations.
- (2) If a module examination consists of several examinations, the module grade will be calculated using the weighting of the individual grades indicated in the module description.
- (3) The duration of an oral examination must be at least 15 minutes, but must not exceed 45 minutes. The duration of a written test must be at least 30 minutes and no longer than 120 minutes.
- (4) The grades shown in Appendix 4, or their German equivalent, are to be used when grading examinations taken within the scope of the ISU-CAU Double Degree Programme.

## § 11

### Restriction of admission to compulsory or optional courses

- (1) The number of places available for the individual courses will be determined by the Faculty Convention at the request of the module coordinators. If more students initially register for a course than there are places available, the Examination Board will determine whether the remaining students can be accommodated through existing or additional courses.
- (2) If it is not possible to accommodate the remaining students, the person responsible for the course will select the students among those who are registered for a degree programme in which the course is envisaged as part of the curriculum, who have registered in due time before the deadline set by the responsible person and who satisfy the conditions for participation. Preference is to be given to students, whose number of semesters would be increased by non-admission. Equally ranked students will be selected by drawing lots. In order to avoid cases of hardship, the module coordinator may deviate from this procedure upon request.

## § 12

### Master's thesis

- (1) When applying for admission to the Master's thesis at the CAU, the candidate is to propose a topic to the examiner. This does not automatically give rise to the claim for the proposal to be considered.
- (2) In exceptional cases and with the consent of the Examination Board the Master's thesis may be prepared at an institution outside the University, provided that appropriate supervision of the candidate is available there. Supervision may also be provided by people working at the supervising facility, who are qualified in accordance with § 4 PVO. In cases of doubt the Examination Board will decide.
- (3) The first examiner must be either a professor or a person qualified to teach at professorial level (*Habilitierter*) who regularly holds lectures and who should belong to the Kiel School of Sustainability. A suitably specialised professor is normally chosen to be the second examiner for the Master's thesis. Supervision may also be provided by people working at an external facility, who are qualified as an examiner in accordance with § 4 PVO. In cases of doubt the Examination Board will decide.
- (4) The examination candidate must report on the progress made concerning the thesis after four weeks within the framework of an event open to the university public with the participation of students and teachers from the degree programme. A different date can be set in exceptional cases.
- (5) Any candidate who can provide evidence of at least 80 ECTS credits may be admitted to the Master's thesis.
- (6) The topic of the Master's thesis may be handed back only once and only within six weeks of the topic being issued.
- (7) The Master's thesis is to be written in English.
- (8) The period from when the topic is issued until the Master's thesis is submitted to the Examination Office is 26 weeks.
- (9) Three hard copies of the Master's thesis and additionally one digital copy are to be submitted to the responsible Examination Office in the form prescribed.
- (10) The Master's thesis will be assessed within six weeks of submission.
- (11) Students participating in the ISU-CAU Double Degree Programme in Environmental Management can prepare their Master's thesis at the ISU.

## § 13

### Passing the Master's examination and calculating the overall grade

- (1) The Master's examination has been passed if all the necessary module examinations in the compulsory section indicated in Annex 1 "Programme schedule" have been passed and a sufficient number of ECTS credits has been earned through passing module examinations in the optional sections and the Master's thesis with the necessary number of ECTS credits.
- (2) The calculation of the overall grade includes:
  - a. the section grade for the compulsory modules in Section A weighted with the ECTS credits allocated to the relevant module,
  - b. the grade for the Master's thesis with 30 ECTS credits, and
  - c. the section grades for the optional sections B, C, D and E, as indicated in the Appendix, weighted with the ECTS credits allocated to the relevant optional section. For the calculation of the section grade, the grades of the modules taken in the optional section will be weighted with the ECTS credits allocated to the relevant module. The best grades of the module assigned to the optional section will be taken into account for the calculation, whose total ECTS credits must reach at least the number of ECTS credits required for the optional section.

#### **§ 14**

##### **Entry into force, expiry, transitional provisions**

- (1) These Examination Regulations enter into force as of 1 October 2013.
- (2) At the same time, the Examination Regulations (Rules) of the Faculty of Agricultural and Nutritional Sciences and the Faculty of Mathematics and Natural Sciences at the Christian-Albrechts-Universität zu Kiel (CAU) for the Discipline "Environmental Management – Management of Natural Resources", leading to a Master of Science degree (M.Sc.) of 23 July 2010 (NBl. MWV. Schl.-H. p. 60) cease to be in force.
- (3) It is possible for students who are registered for the Master of Science degree programme in "Environmental Management – Management of Natural Resources" at the Christian-Albrechts-Universität zu Kiel at the time when these Rules enter into force to obtain a degree up until 10 December 2015 in accordance with the Examination Regulations which ceased to be in force pursuant to paragraph 2. If modules are offered in a different form, these must be completed under the new version. If compulsory modules from the Examination Regulations in accordance with paragraph 2 are no longer offered, the Examination Board will name replacement modules.
- (4) Students can apply to change to the new degree-specific examination regulations. Module examinations which have been completed and passed in full by the date these Examination Regulations enter into force will remain valid. Compulsory modules which have already been completed will be transferred with the ECTS credits listed in these Examination Regulations.
- (5) If a student has completed and passed independent parts of a module examination, these will be recognised. The Examination Board determines which additional examinations are necessary to complete the module, with regard to the module's learning targets and the purpose of the examination.
- (6) Examinations failed before these Examination Regulations entered into force will be set off against the number of attempts in accordance with the new Examination Regulations, provided the structure of the new module examinations permits recognition.
- (7) The Examination Board decides regarding special cases of hardship for which the student is not responsible.

Approval by the University Board at Christian-Albrechts-Universität zu Kiel was granted in accordance with § 52 Para. 1 Clause 1 of the Higher Education Act in a letter of 11 July 2013.

Kiel, 11 July 2013

Prof. Dr. R. Horn  
Dean of the Faculty of Agricultural and Nutritional Sciences  
of Christian-Albrechts-Universität zu Kiel

Prof. Dr. W.J. Duschl  
Dean of the Faculty of Mathematics and Natural Sciences  
of Christian-Albrechts-Universität zu Kiel

## Annex 1: Programme Schedule

Sem.	Module description	SWS	C/O	Requirements	Type of examination	ECTS
1	Core Module - Concepts of Sustainable Development and Environmental Management	4	C	None	Assignment	6
	Module from Section B Knowledge and Analysis	4	O	See module description	See module description	6
	Module from Section B Knowledge and Analysis	4	O	See module description	See module description	6
	Module from Section C Communication and Empowerment	4	O	See module description	See module description	6
	Module from Section D Complementary Methods	4	O	See module description	See module description	6
2	Project 1	4	C	None	Project	6
	Module from Section B Knowledge and Analysis	4	O	See module description	See module description	6
	Module from Section B Knowledge and Analysis	4	O	See module description	See module description	6
	Module from Section C Communication and Empowerment	4	O	See module description	See module description	6
	Module from Section E Open Studies	4	O	See module description	See module description	6
3	Project 2	4	C	None	Project	6
	Module from Section B Knowledge and Analysis	4	O	See module description	See module description	6
	Module from Section B Knowledge and Analysis	4	O	See module description	See module description	6
	Module from Section E Open Studies	4	O	See module description	See module description	6
	Module from Section E Open Studies	4	O	See module description	See module description	6
4	Master Project		C	Minimum 80 ECTS		30

### Explanations:

- SWS: "Semesterwochenstunden" (=weekly 45 minute teaching units for the duration of one semester of about 12 teaching weeks)
- C / O: Status of the course (compulsory / optional)
- Requirement: Admission requirements for the course
- Exam: Type of examination: Assignments (H), projects (PA), written tests (K), reports (P), seminar papers (R), presentations (PR), oral examinations (M), seminar contributions (SB)
- ECTS: ECTS credits



## Appendix 1

(not part of the Examination Regulations)

Date: 24.06.2015

# List of modules: Information on the structure of the curriculum and the selection of modules

**First semester:** 1 Compulsory module,  
Optional modules covering 24 ECTS credits

### Glossary:

Ex. = Examination

ECTS = ECTS Credit Points

H (Hausarbeit) = Assignment

M (Mündliche Prüfung) = Oral Examination

K (Klausur) = Written Examination

P (Protokoll) = Protocol

R (Referat) = Seminar Paper

PA () =

PR () =

SB (Seminarbeitrag) = Seminar Coursework (Assignment and Presentation)

### Section A - Compulsory

Module	Module Name	ECTS	Ex. graded
MNF-Geogr.-201	Concepts of Sustainable Development and Environmental Management	6	H=100%

### Section B:

Generally a selection of 6 ECTS credits each is made from the two thematic sections chosen.

Module	Module Name	ECTS	Ex. graded
<b>B3 - Environmental Management</b>			
AEF-EM009	Principles of Environmental Economics & Environmental Planning	6	M=100%
<b>B4 - Coastal systems</b>			
MNF-Geogr-341	Coastal Zone Dynamics	6	K=100%
MNF-ftz-geo-S122	Principles of Nutrient Dynamics in Coastal Areas	6	K=100%
<b>B6 - Ecohydrology and Geoecology</b>			
AEF-EM002	Hydrology & Climatology	6	M=100%
AEF-EM034	Principles in Soil Ecology	6	K=100%
AEF-EM008	Identification & Modelling of Chemical Key Processes	6	K=100%
<b>B7 - Human Development in Landscapes</b>			
MNF-eco-101	Geo- Ecological Regional Processes	6	M=100%
MNF-eco-102	Climate and Landscape Changes - Past and Future	6	K=100%
MNF-eco-107	Terrestrial Ecozones and Ecosystems	6	P=100%
<b>B8 - Functional Ecology</b>			
AEF-EM001	Principles in Ecology for Environmental Sciences	6	K=100%
AEF-EM006	Principles of Ecosystem Protection & Management	6	M=100%
AEF-EM010	Nutrient Cycles and Sustainability	6	K=100%
MNF-biol210	Principles in Aquatic Ecology	6	P=100%,

### Section C: Communication and Empowerment, a selection of 6 ECTS credits is recommended

MNF-Geogr-202	Change Makers and Social Entrepreneurs	6	PA=100%
AEF-EM029	Planning and Managing Science Projects	6	K=100%

### Section D: Complementary Methods, a selection of 6 ECTS credits is recommended

MNF-Geogr-205	Spatial Data Handling	6	PA=100%
AEF-EM030	Statistical & Mathematical Tools	6	K=100%
MNF-Geogr-206	Social Research Methods	6	SB=100%
MNF-ftz-geo-S025	Engineering Mathematics	6	K=100%

For information purposes only, the German original is binding.

**Second semester: 30 ECTS credits, 20 SWS, 1 compulsory module,  
Optional modules covering 24 ECTS credits**

**Section A - Compulsory**

Module	Module Name	ECTS	Ex. graded
AEF-EM035	Projekt 1 (scientific project or change project)	6	PA=100%

**Section B: Generally a selection of 6 ECTS credits each is made from the two thematic sections chosen.**

Module	Module Name	ECTS	Ex. graded
<b>B3 - Environmental Management</b>			
AEF-EM039	Economic Aspects of Environmental Management	6	K=100%
MNF-eco-110	Terrestrial Ecosystems Field Studies	6	P=100%
AEF-EM013	Digital Spatial Analysis - Practical Exercises	6	P=100%
MNF-Geogr-332	Remote Sensing and Environmental Modeling	6	H=100%
AEF-agr078	Integrated Management of Rural & Woodland Regions	6	H=100%
AEF-EM036	GIS and Population Dynamics in Landscapes	6	SB=100%
<b>B4 Coastal systems</b>			
MNF-Geogr-342	Remote Sensing and GIS Applications in Coastal Zones	6	SB=100%
AEF-EM012	Coastal & Marine Ecosystems – Field Studies	6	P=100%
MNF-ftz-geo-S125	Abiotic and Biotic interactions in the Wadden Sea	6	P=100%
MNF-ftz-geo-S126	Coastal Evolution and Protection	6	
<b>B5 - Systems Theory and Ecosystem Services</b>			
AEF-EM011	Principles of Ecosystem Analysis	6	R=100%
AEF-EM022	Ecological Indicators	6	P=100%
AEF-EM026	Landscape Systems Analysis Northern Finland	6	P=100%
<b>B6 - Ecohydrology and Geocology</b>			
AEF-EM016	Ecology of Soils– Practical Exercises	6	M=100%
MNF-eco-111	Freshwater & Wetland Systems – Field Studies	6	P=100%
AEF-EM023	Fieldtrip Hydrobiology Poland	6	P=100%
AEF-EM024	Fieldtrip Limnoecology Lake Baikal	6	P=100%
<b>B7 - Human Development in Landscapes</b>			
MNF-eco-103	Long Term Development of Landscapes– Field Studies	6	PA=100%
MNF-eco-104	Field Studies in Environmental History	6	P=100%
MNF-eco-107	Terrestrial Ecozones and Ecosystems	6	P=100%
MNF-eco-108	Analysis of Environmental Processes	6	SB=100%
MNF-eco-109	Geoarchaeological and Holocene Palaeoenvironmental Field and Laboratory Analysis	6	P=100%
<b>B8 - Functional Ecology</b>			
MNF-biol224	Applied Aquatic Ecology	5	P=100%
MNF-biol221	Acclimation Reactions of Plants	5	PR=30%, P=70%
MNF-biol227	Evolution, Ecology & Genetics	5	PR=50%, P=50%
MNF-biol269	Methods in Ecology	10	PR=20%, P=80%
MNF-biol263	Lab Studies Symbiosis	10	PR=20%, P=80%

**Section C: Communication and Empowerment, a selection of 6 ECTS credits is recommended**

MNF-Geogr-203	Environmental and Sustainability Communication	6	PA=100%
MNF-Geogr-204	Video for Change	6	PA=100%
MNF-Geogr-270	Environmental and Sustainability Education	10	PA=100%
MNF-Geogr-271	Change Project	6	PA=100%
MNF-Geogr-274	GeoApps. Location based media.	6	PA=100%

**Section E: Open Studies, a selection of 6 ECTS credits is envisaged**

The ECTS credits can be obtained in the following sections:

- Modules from Sections B, C and D, which were not previously taken.
- All other modules from the School of Sustainability which have available spaces.

**For information purposes only, the German original is binding.**

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- c. Modules which have been passed abroad or at other German institutions of higher education.
- d. Modules from the CAU's entire range of modules. The selection and recognition of modules in Sections (c), and (d) must be approved by the Joint Examination Board.

**For information purposes only, the German original is binding.**

**Third semester: 30 ECTS credits, 20 SWS, 1 compulsory module,  
Optional modules covering 24 ECTS credits**

**Section A - Compulsory**

Module	Module Name	ECTS	Ex. graded
AEF-EM038	Projekt 2 (Scientific project or change project)	6	PA=100%

**Section B: Generally a selection of 6 ECTS credits each is made from the two thematic sections chosen.**

Module	Module Name	ECTS	Ex. graded
<b>B3 Environmental Management</b>			
MNF-Geogr-333	Remote Sensing Applications	6	SB=100%
AEF-EM036	GIS and Population Dynamics in Landscapes	6	SB=100%
<b>B4 - Coastal systems</b>			
AEF-EM032	Integrated Coastal Zone Management	6	SB=100%
MNF-ftz-geo-S128	Coastal Environmental Surveying	6	M=60%,
MNF-ftz-geo-S129	Wind Energy: Technological Challenges and Environmental Impacts	6	P=100%
<b>B5 - Systems Theory and Ecosystem Services</b>			
AEF-EM019	Advanced Ecosystem Analysis in Environmental Management	6	SB=100%
AEF-EM033	Ecosystem Development and Ecosystem Protection	6	M=100%
AEF-EM025	Theory of Ecosystem Dynamics and Decomposing Systems	6	K=100%
AEF-EM037	Biodiversity and Ecosystem Services	6	SB=100%
<b>B6 - Ecohydrology and Geocology</b>			
AEF-agr076	Integrated Management of River Basins	6	SB=100%
AEF-EM018	Integrated Management of Wetlands	6	H=100%
AEF-EM027	Hydrological Modelling	6	H=100%
AEF-EM021	Managing Matter Fluxes & Ecotoxicological Effects	6	R=100%
<b>B7 - Human Development in Landscapes</b>			
MNF-eco-105	Long Term Analysis of Environmental Trends	6	P=100%
MNF-eco-106	Geoarchaeology and Holocene Palaeoecology – Reconstruction of Natural and Human Processes	6	PA=100%
MNF-eco-107	Terrestrial Ecozones and Ecosystems	6	P=100%
<b>B8 - Functional Ecology</b>			
MNF-biol211	Introduction to Experimental Plant Ecology	5	PR=50%,
<b>Section D: Complementary Methods, a selection of 6 ECTS credits is recommended</b>			
AEF-EM031	Modelling Ecosystems – Practical Studies	6	P=100%

**Section E: Open Studies, a selection of 12 ECTS credits is envisaged**

The ECTS credits can be obtained in the following sections:

- a) Modules from Sections B, C and D, which were not previously taken.
- b) All other modules from the School of Sustainability which have available spaces.
- c) Modules which have been passed abroad or at other German institutions of higher education.
- d) Modules from the CAU's entire range of modules.

The selection and recognition of modules in Sections (c), and (d) must be approved by the Joint Examination Board.

**Fourth semester**

Preparation of the Master's thesis (30 ECTS credits).

## Appendix 2

(not part of the Examination Regulations)

Date: 24.06.2015

### Degree programme for CAU students in the third semester at the ISU

#### Third semester ISU – 30 ECTS credits

Module	Module Name	ECTS	Ex. graded
<b>Compulsory: 28 ECTS</b>			
3.1	Computer Technologies and Statistical Methods of Ecology and Nature Management	2	K=100%
3.2	Remote Techniques of the Earth Sensing	4	K=100%
3.3	Geoinformation Technologies	3	K=100%
3.4	Regional Environmental Management	4	K=100%
3.5	Ecological Management and Audit	4	K=100%
3.6	Project 3	11	PA=100%
<b>Optional: 2 ECTS</b>			
3.7.1	Industrial and Transport Ecology	2	K=100%
3.7.2	Traditional Environmental Management in Russia	2	PR=80%, H=20%
3.8	Free elective from the ISU offer		

**Fourth semester CAU: 30 ECTS credits from preparation of the Master's thesis**

**Fourth semester ISU: 30 ECTS credits from preparation of the Master's thesis**

### Appendix 3

(not part of the Examination Regulations)

Date: 24.06.2015

## Degree programme for ISU students in the first and second semester at the ISU

### First semester Irkutsk: 25 ECTS credits

Module	Module Name	ECTS	Ex. graded
<b>Compulsory: 22 ECTS</b>			
1.1	Philosophical Problems of Natural Sciences	3	K=100%
1.2	Foreign Language	3	K=100%
1.3	Estimation of Impact on Environment and Human Health	3	K=100%
1.4	Study of Natural Anthropogenic Landscape	3	K=100%
1.5	International Collaboration and Modern Problems of Ecology and Environmental	3	K=100%
1.6	Project 1	7	PA=100%
<b>Optional: 3 ECTS</b>			
1.7.1	Theory of Random Processes in Ecology and Environmental Management	3	K=100%
1.7.2	Human Ecology	3	K=100%
1.8	Free elective from the ISU offer		

### Second semester Irkutsk: 35 ECTS credits

Module	Module Name	ECTS	Ex. graded
<b>Compulsory: 25 ECTS</b>			
2.1	Sustainable Development	2	K=100%
2.2	Economics and Environmental Management	4	K=100%
2.3	Modeling of Environmental Contaminants Transfer and Diffusion Processes	4	K=100%
2.4	Project 2	8	PA=100%
2.5	Field Studies	7	P=100%
<b>Optional: 10 ECTS</b>			
2.6.1	Environmental Safety and Region Sustainable Development	3	K=100%
2.6.2	Ecological Design and Expertise	3	K=100%
2.7.1	Principles of Recreation Management	4	K=100%
2.7.2	Land Use and Land Management	4	K=100%
2.8.1	Environmental Geochemistry	3	K=100%
2.8.2	Natural Resources of Irkutsk Region and their Management	3	K=100%
2.9	Free elective from the ISU offer		

### Fourth semester CAU: 30 ECTS credits from preparation of the Master's thesis

### Fourth semester ISU: 30 ECTS credits from preparation of the Master's thesis

Module	Module Name	ECTS	Ex. graded
<b>Compulsory: 30 ECTS</b>			
	Field Studies according the topic of the Master Thesis	26	PA=100%
	Defence of the Master Thesis	4	M=100%

## Appendix 4

(not part of the Examination Regulations)

Date: 24.06.2015

### Grading systems at the ISU and CAU

Descriptive Grades		Numerical Grades		Scale in percent
CAU	ISU	CAU	ISU	
Sehr gut	Very Good	1.0	5	100 >> 95
		1.3		94 >>> 90
Gut	Good Plus	1.7	4.5	89 >> 85
	Good	2.0	4	84 >>> 80
		2.3		79 >> 75
Befriedigend	Satisfactory	2.7	3.5	74 >> 70
		3.0		69 >>> 65
		3.3		64 >>> 60
Ausreichend	Sufficient	3.7	3	59 >>> 55
		4.0		54 >>> 50
Nicht Ausreichend	Insufficient	> 4.0	2.5	< 50