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.) - 2017

of 27 July 2017

Version published on 28 September 2017 (Bulletin of the Ministry of Education and Science of the Land Schleswig-Holstein (NBl. HS. MBWK Schl.-H.) p. 70)

Based on Section 52 (1) Sentence 1 of the Schleswig-Holstein Higher Education Act (HSG) of 5 February 2016 (GVOBl. Schleswig-Holstein, page 39), most recently amended by Article 1 of the Act of 14 March 2017 (GVOBl. Schleswig-Holstein, page 142), after a resolution was passed by the Convention of the Faculty of Mathematics and Natural Sciences of 5 July 2017 and the Convention of the Faculty of Agricultural and Nutritional Sciences at the Christian-Albrechts-Universität zu Kiel of 13 May 2017, 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.

The study periods, conditions and regulations at Adam Mickiewicz University in Poznań, Poland apply for students studying at the AMU as part of the 'Double-Degree' cooperation agreement, if these are not specially regulated in the "Double-Degree" cooperation agreement in Appendix 8. 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.
3. This also applies to students who have studied according to the AMU-CAU Double Degree Programme, in addition to the degree awarded by Adam Mickiewicz 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. The presence of the additional prerequisites for admission to the "Double Degree" Programme with the AMU is determined by the joint Cooperation Board of the AMU and the CAU, in

accordance with the requirements set out in the Cooperation Agreement between the ISU and the CAU (see Appendix 8).

§ 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.

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
Section A: Core Modules (Compulsory) • Module "Concepts of Sustainable Development and Environmental Management" (6 ECTS) • Project 1 (6 ECTS) • Project 2 (6 ECTS)	18

Section B: Knowledge and Analysis (Optional)
• In Section B, 36 ECTS must be obtained from the following specialised fields:
  • B3 Environmental Management
  • B4 Coastal Systems
  • B5 Systems Theory and Ecosystem Analysis
  • B6 Ecohydrology and Geoecology
  • B7 Human Development in Landscapes
  • B8 Functional Ecology
• Each student should normally select two specialised fields in each of which he/she will obtain 18 ECTS.
	36

Section C: Communication and Empowerment (Optional) • 12 ECTS must be obtained in Section C.	12
Section D: Complementary Methods (Optional) • 6 ECTS must be obtained in Section D.	6

Section E: Open Studies (Optional) • 18 required ECTS must be obtained in Section E. • 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. • Modules from other degree programmes, which cover the same content as courses which have already been completed, cannot be recognised.	18
Section F: Master's thesis	30

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

§ 6
Structure of the curriculum for the Double Degree Programmes in Environmental Management

(1) Structure of the curriculum for the ISU-CAU Double Degree Programme

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.

(2) Structure of the curriculum for the AMU-CAU Double Degree Programme

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 AMU-CAU Double Degree Programme:

- CAU students complete at least the second semester at the AMU, as per Appendix 6.
- AMU students complete at least 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 AMU.

In order to acquire the academic title in accordance with Section 3, a minimum of 30 ECTS 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.

(5) The grades shown in Appendix 7, or their German equivalents, are to be used when grading examinations taken within the scope of the AMU-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.

(12) Students participating in the AMU-CAU Double Degree Programme in Environmental Management can prepare their Master's thesis at the AMU.

§ 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 2017.

(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 11 July 2013 (NBl. MBW Schl.-H. p. 65) 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 the end of the summer semester 2019 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 27 July 2017.

Kiel, 27 July 2017

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

Prof. Dr. Natascha Oppelt
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: 27.07.2017

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

Section A - Compulsory

Module	Module Name	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
MNF-Geogr.-201	Concepts of Sustainable Development and Environmental Management	6	H=100%	2		2	

Section B:

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

Module	Module Name	ECTS	Ex. graded	V: SWS	S: SWS	Ü: SWS	E SWS
B3 - Environmental Management							
AEF-EM009	Principles of Environmental Economics & Environmental Planning	6	M=100%	4			
B4 - Coastal systems							
MNF-Geogr-341	Coastal Zone Dynamics	6	K=100%	2		2	
MNF-ftz-geo-S122	Principles of Nutrient Dynamics in Coastal Areas	6	K=100%	2	2		
B6 - Ecohydrology and Geoecology							
AEF-EM002	Hydrology & Climatology	6	M=100%	3,5			
AEF-EM034	Principles in Soil Ecology	6	K=100%	4			
AEF-EM008	Identification & Modelling of Chemical Key Processes	6	K=100%	2		2	
B7 - Human Development in Landscapes							
MNF-eco-101	Geo-Ecological Regional Processes	6	M=100%	4			
MNF-eco-102	Climate and Landscape Changes - Past and Future	6	K=100%	2	2		
MNF-eco 116	Human-Environment Interactions I: Theory and Methods of Geoarchaeology and Palaeopedology	6	PA=100%	3	1		
B8 - Functional Ecology							
AEF-EM001	Principles in Ecology for Environmental Sciences	6	K=100%	2			2
AEF-EM040	Conservation Biology	6	M=100%	2			2
~~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

Module	Module Name	ECTS	Ex. graded	V: SWS	S: SWS	Ü: SWS	E SWS
MNF-Geogr-202	Change Makers and Social Entrepreneurs	6	PA=100%				
AEF-EM029	Planning and Managing Science Projects	6	K=100%	3		1	
MNF-eco115	Planning and Construction of a Wind Farm1	6	SB=100%	1	1		
MNF-eco-107	Terrestrial Ecozones and Ecosystems	6	P=100%	2	2		
AEF-agr848	Practical Data Management	6	P=100%			4	

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

Module	Module Name	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
MNF-Geogr-205	Spatial Data Handling	6	PA=100%	2		2	
AEF-EM030	Statistical & Mathematical Tools	6	K=100%	1		3	
MNF-Geogr-206	Social Research Methods	6	SB=100%	2	2		
MNF-ftz-geo-S025	Engineering Mathematics	6	K=100%	2		2	

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

Section A - Compulsory

Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
AEF-EM035	Projekt 1 (scientific project or change project)	6	PA=100%		4		

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

Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
B3 - Environmental Management							
AEF-EM039	Economic Aspects of Environmental Management	6	K=100%	4			
MNF-eco-110	Terrestrial Ecosystems Field Studies	6	P=100%			3,5	0,5
AEF-EM013	Digital Spatial Analysis - Practical Exercises	6	P=100%	1		3	
MNF-Geogr-332	Remote Sensing and Environmental Modeling	6	H=100%	1	1	1	
AEF-agr078	Integrated Management of Rural & Woodland Regions	6	SB=100%			2	2
B4 Coastal systems							
MNF-Geogr-342	Remote Sensing and GIS Applications in Coastal Zones	6	SB=100%			4	
AEF-EM012	Coastal & Marine Ecosystems – Field Studies	6	P=100%	1		2	1
MNF-ftz-geo-S125	Abiotic and Biotic interactions in the Wadden Sea	6	P=100%	1		4	
MNF-ftz-geo-S126	Coastal Evolution and Protection	6	P=100%	5			
B5 - Systems Theory and Ecosystem Services							
AEF-EM011	Principles of Ecosystem Analysis	6	R=100%	1	2	1	
AEF-EM022	Ecological Indicators	6	P=100%	2		2	
AEF-agr852	Ecosystem Services in Agroecosystems	6	H=100%			3,5	0,5

B6 - Ecohydrology and Geoecology							
Module	Module Name	ECTS	Ex. graded	V: SWS	S: SWS	Ü: SWS	E SWS
AEF-EM016	Ecology of Soils– Practical Exercises	6	M=100%			3,5	0,5
MNF-eco-111	Freshwater & Wetland Systems – Field Studies	6	P=100%			3,5	0,5
AEF-EM023	Fieldtrip Hydrobiology Poland	6	P=100%			3,5	0,5
AEF-EM024	Fieldtrip Limnoecology Lake Baikal	6	P=100%			3,5	0,5
B7 - Human Development in Landscapes							
MNF-eco-103	Long Term Development of Landscapes– Field Studies	6	PA=100%			3,5	0,5
MNF-eco-104	Field Studies in Environmental History	6	P=100%			3,5	0,5
MNF-eco-108	Analysis of Environmental Processes	6	SB=100%			3	1
MNF-eco 117	Human-Environment Interactions II: Geoarchaeological and Palaeopedological Field Studies	6	PA=100%			3,5	0,5
B8 - Functional Ecology							
Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
MNF-biol224	Applied Aquatic Ecology	5	P=100%	2	1	4	
MNF-biol221	Evolution of UV-B resistance	5	PR=30%, P=70%		1	4	
MNF-biol227	Evolution, Ecology & Genetics1	5	PR=50%, P=50%		1	3	
MNF-biol-240	Ecology	5	P=50% R=50%	1	1	2	
MNF-biol 269	Methods in Ecology – Research Project	10	PR=20%, P=80%		2	6	

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

Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
MNF-Geogr-203	Environmental and Sustainability Communication	6	PA=100%			4	
MNF-Geogr-204	Introduction to Video Production	6	PA=100%			4	
MNF-Geogr-270	Environmental and Sustainability Education	6	PA=100%			4	
MNF-Geogr-271	Change Project	6	PA=100%			4	
MNF-eco-107	Terrestrial Ecozones and Ecosystems	6	P=100%	2	2		

Section E: Open Studies, a selection of 6 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.

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

Section A - Compulsory

Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
AEF-EM038	Projekt 2 (scientific project or change project)	6	PA=100%		4		

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

Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
B3 Environmental Management							
MNF-Geogr-333	Remote Sensing Applications	6	SB=100%		2	2	
AEF-EM036	GIS and Population Dynamics in Landscapes	6	SB=100%	1		3	
B4 - Coastal systems							
AEF-EM032	Integrated Coastal Zone Management	6	SB=100%	2		1,5	0,5
MNF-ftz-geo-S128	Coastal Environmental Surveying	6	M=60%,	2	4		
MNF-ftz-geo-S129	Wind Energy: Technological Challenges and Environmental Impacts	6	P=100%	1	2	2	
B5 - Systems Theory and Ecosystem Services							
AEF-EM019	Advanced Ecosystem Analysis in Environmental Management	6	SB=100%	2	2		
AEF-EM033	Ecosystem Development and Ecosystem Protection	6	M=100%		1	3	
AEF-EM037	Biodiversity and Ecosystem Services	6	SB=100%	2	2		
B6 - Ecohydrology and Geoecology							
AEF-agr076	Integrated Management of River Basins	6	SB=100%	2	1	1	
AEF-EM018	Integrated Management of Wetlands	6	H=100%	2	2		
AEF-EM027	Hydrological Modelling	6	H=100%	2		2	
AEF-EM021	Managing Matter Fluxes & Ecotoxicological Effects	6	R=100%		4		
B7 - Human Development in Landscapes							
MNF-eco-105	Long Term Analysis of Environmental Trends	6	P=100	1	2	1,5	
MNF-eco-106	Geoarchaeology and Holocene Palaeoecology – Reconstruction of Natural and Human Processes in	6	PA=100%		2	2	
B8 - Functional Ecology							
MNF-biol211	Introduction to Experimental Plant Ecology	5	PR=50%,				
MNF-biol 269	Methods in Ecology – Research Project	10	PR=20%,		2	6	
MNF-eco-114	Plant x Environment Interactions	6	P=50%	2	2		

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

Modul	Modulname	ECTS	Ex. graded	V: SWS	S: SWS	Ü. SWS	E SWS
AEF-EM031	~~Modelling Ecosystems – Practical Studies~~	6	P=100%				
AEF-EM031	Ecosystem Modeling	6	P=100%	1		3	

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: 27.07.2017

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

Third semester ISU - 30 ECTS credits

Module	Module Name	ECTS	Ex. graded
Compulsory: 28 ECTS			
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%
Optional: 2 ECTS			
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: 27.07.2017

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
Compulsory: 22 ECTS			
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%
Optional: 3 ECTS			
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
Compulsory: 25 ECTS			
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%
Optional: 10 ECTS			
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
Compulsory: 30 ECTS			
	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: 27.07.2017

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

Appendix 5
(not part of the Examination Regulations)

ANNEX *NO. 1*

to the Cooperation Agreement from December 7, 1990
between Irkutsk State University
and Christian-Albrechts-Universität zu Kiel, Kiel (Germany)

In order to develop further opportunities for students from Irkutsk and Kiel and in order to strengthen the international ties between the two institutions, Irkutsk State University, Irkutsk, Russia (hereafter referred to as ISU) , represented by its Rector Professor Dr. Smirnov Alexander and Christian-Albrechts-Universität zu Kiel, Kiel (Germany) (hereafter referred to as CAU), represented by its President Professor Dr. Gerhard Fouquet, have decided to enter into this Agreement for the establishment of a Double Degree Program in Environmental Management.

§ 1

This Agreement permits students of ISU and CAU, upon successful fulfillment of the conditions indicated in this Agreement, the opportunity of receiving a Double Degree in Environmental Management. ISU and CAU will award a Master in Environmental Management.

Within the framework of this Agreement, "home institution" refers to the institution in which a student is formally enrolled as a degree candidate. "Host institution" refers to the institution that has agreed to receive students from the home institution for a period of study.

Both institutions agree to issue their a.m. Degrees, based on the attached jointly developed study programme (Appendix A) and will start in winter term 2012/13 or thereafter (always in winter term).

§ 2

Students registered as degree candidate at ISU in the Masterprogram "Ecology and Environmental Management" with the profile "Environmental Management" or at CAU in the Masterprogram "Environmental Management – Management natürlicher Ressourcen" shall have access to the Double Degree Program. Students shall be screened for eligibility for admission as Double Degree candidates by the home institution. The home institution shall respect the admission requirements and enrolment constraints of the host institution. The final selection of students has to be confirmed by both local program coordinators (see § 5).

Double Degree candidates shall be nominated by the home institution. This nomination shall replace the evidence of university entrance qualification and the legalization.

Double Degree candidates shall be subject to the standard rules, regulations and enrolling constraints of the host institution. They shall register at the host institution only for the parts of the study program which will be carried out under the responsibility of the host institution. Both institutions agree to a maximum number of 7 exchange students per edition. The normal period of study at the host institution shall last one term.

§ 3

As a general rule the Master thesis will be carried at and under the responsibility of the home institution. Upon request it is also possible that a thesis is supervised jointly by both institutions. For that the Degree candidates shall choose the finit supervisor from the harne institution, and a second supervisor shall be allocated from the other institution.

The Double Degree shall only be awarded after the student has completed his/her studies at the home institution, and has collected at least 30 ECTS credit points under the responsibility of the host institution.

For the purpose of international mobility and recogmt10n, the Double Degree will be accompanied by a Diploma Supplement according to art. IX.3 of the Lisbon Recognition Convention of April 11, 1997.

§ 4

Tuition fees shall, on the basis ofreciprocity, be waived during those parts of the study program which will be carried out at the hast institution. All activities of the program are subject to the availability of the institution's financial resources and/or third party funds. Both institutions agree to seek financial support from national and international organisations to support those students, which study at the hast institution.

§ 5

Each institution will nominate a program coordinator to ensure that the Double Degree Program proceeds according to a reasonable schematic plan, and that the terms of this Agreement are carried out. Each institution may name a substitute or replacement of its coordinator. Each program coordinator will ensure that the partner institution is provided with all information appropriate to the promotion of the program.

§ 6

This Agreement shall be in force from May 16, 2012, and be binding upon the parties for a period of 5 years. It may be altered or amended based upon mutual agreement.

The Agreement may be terminated at the request of either institution, provided such request is made in writing at least twelve months before termination is to become effective. Any termination of the Agreement must take into account the rights of students already participating or accepted for any exchange to complete the parts of the study pro gram which will be carried out under the responsibility of the hast institution.

An evaluation of this Agreement will be initiated by both institutions at least twelve months prior to its expiration to ascertain if the program should be continued and, if so, how it might be improved.

§ 7

This agreement is drawn up and signed in two copies in Russian and two copies in English, all of them are of identical meaning. Two copies, one in Russian and one in English, are to be deposited with each institutiori.

Legal addresses of the partners:

Irkutsk State University

«22» Februry 2012

Prof. Dr. Smirnov Alexander*
Rector

Christian-Albrechts-Universität zu Kiel
Olshausenstrasse 40
D-24098 Kiel

«27.» Februar 2012

Prof. Dr. Gerhard Fouquet
President

Prof. Alla Dean, Faculty of Geography

Prof. Dr. rer. nat. Lutz Kipp
Dean, Faculty of Mathematics and Natural Sciences

Prof. Dr. Karin Schwarz
Dean, Faculty of Agricultural and Nutritional Sciences

Appendix 6
(not part of the Examination Regulations)

Environmental Protection study program at AMU

Sem.	Title of obligatory modules	ECTS	Exam-graded
I	Methodology and research methods of natural sciences	2	**M=100%**
I	Preparation for writing and presenting of scientific papers	2	**PR=50%** **P=50%**
I	Statistical methods in environmental protection	2	**K=100%**
I	Databases of the natural environment	2	**R=100%**
I	Ecotoxicology	3	**K=100%**
I	Foreign language	2	**K=100%**
I	Elective (optional) modules	17	
II	Modelling of ecological processes	3	**PA=100%**
II	European environmental protection policy	3	**K=100%**
II	Seminar – Journal Club	3	**PR=50%** **PL=50%**
II	Msc laboratory	10	**PA=100%**
II	Elective modules	11	
III	Spatial planning	4	**K=100%**
III	Creativity and entrepreneurship	3	**M=100%**
III	Financial, legal and ethical aspects of functioning of science	2	**PL=100%**
III	MSc seminar	3	**PR=50%** **PL=50%**
III	Msc laboratory	10	**PA=100%**
III	Elective modules	8	
IV	Compensation for nature conservation	3	**K=100%**
IV	Projects and plans for nature conservation	4	**M=100%**
IV	MSc seminar	3	**PR=50%** **PL=50%**
IV	Msc laboratory	10	**PA=100%**
IV	Elective modules	10	

Explanations:
H – Homework
K – Written exam
M – oral exam
P – Protocol
PA – Project report
PL – Graded
PR – Presentation
R – Paper
SB – Seminarpaper

Sem.	**Title of elective (optional) modules**	ECTS	Exam
Spring	EP Standard methods in environmental protection	2	**K=100%**
Spring	Amu-PIE Biology and ecology of bioindicators	4	**K=100%**
Spring	EP Modelling of aquatic ecosystems	3	**P=100%**
Spring	EP Protection and restoration of water bodies	4	**K=100%**
Spring	EP Relationships between organisms in the aquatic environment	4	**P=50%** **PR=50%**
Spring	AMU-PIE Toxic threats of aquatic environments	4	**P=100%**
Spring	AMU-PIE Ecosystems under environmental stress	4	**R=50%** **P=50%**
Spring	AMU-PIE River courses, ecological implications of their transformation	4	**WT=100%**
Spring	EP Toxic effects of plant and animal substances	2	**P=100%**
Spring	EP Toxicity of selected elements and compounds	2	**P=100%**
Spring	AMU-PIE Functioning and protection of water and wetland habitats	4	**K=100%**
Spring	AMU-PIE Study of inland waters - from theory to practice: Tools of assessment, protection and management	4	**P=100%**
Spring	Summer School – Ecological state of the lake during restoration measures	6	**PL=1/3** **PR=1/3** **PA=1/3**

Appendix 7
(not part of the Examination Regulations)

Conversion of marks at AMU and CAU

		CAU ->	AMU ->	CAU	AMU
Verbal awards		Numerical Marks	Numerical Marks	Numerical Marks	Scale in percent
CAU	AMU	CAU	AMU	CAU	
Sehr gut	Excellent	1	5	1	94 – 100
		1,3			86 –93
Gut	Good	1,7	4	2	81 – 85
		2			76– 80
		2,3			71– 75
Befriedigend	Satisfactory	2,7	3+	3	69–70
		3			67–68
		3,3			64 –66
Ausreichend	Sufficient	3,7	3	4	61–63
		4			60
Nicht Ausreichend	Insufficient	> 4.0	2	> 4.0	<60

Appendix 8
(not part of the Examination Regulations)

ANNEX NO. 4

to the Memorandum of Understanding concerning a Strategic Partnership from July 8, 2013, between Adam-Mickiewicz-University, Poznań (Poland), and Kiel University , Kiel (Germany)

In order to establish a mutually recognized Double Degree Program for students from Poznan and Kiel and in order to strengthen the international ties between the two institutions, Adam-Mickiewicz-University, Poznań (Poland) (hereafter referred to as UAM), represented by its Rector Professor Dr. hab. Andrzej Lesicki and Kiel University, Kiel (Germany) (hereafter referred to as CAU), represented by its President Professor Dr. Lutz Kipp, have decided to enter into this Agreement for the establishment of a Double Degree Program in Environmental Management and Environmental Protection.

§ 1

(1) This Agreement permits students of UAM and CAU, upon successful fulfillment of the conditions indicated in this Agreement, the opportunity of receiving a Double Degree in Environmental Management and Environmental Protection. UAM will award a Master in Environmental Protection and CAU will award a Master in Environmental Management.
(2) Within the framework of this Agreement, “home institution” refers to the institution in which a student is formally enrolled as a degree candidate. “Host institution” refers to the institution that has agreed to receive students from the home institution for a period of study.
(3) Both institutions agree to issue their a.m. Degrees, based on the attached jointly developed study programme (Appendix A) and will start in winter term 2017/18 or thereafter (always in winter term).

§ 2

(1) Students registered as degree candidate at UAM in the Masterprogram “Environmental Protection” or at CAU in the Masterprogram “Environmental Management” shall have access to the Double Degree Program. Students shall be screened for eligibility for admission as Double Degree candidates by the home institution. The home institution shall respect the admission requirements and enrolment constraints of the host institution. The final selection of students has to be confirmed by both local program coordinators (see § 5).
(2) Double Degree candidates shall be nominated by the home institution. This nomination shall replace the evidence of university entrance qualification and the legalization.
(3) Double Degree candidates shall be subject to the standard rules, regulations and enrolling constraints of the host institution. They shall register at CAU only for the parts of the study program, which will be carried out there and at UAM for the full degree period.
(4) Both institutions agree to a maximum number of 7 exchange students per edition. The normal period of study at the host institution shall last at least one term.

§ 3

(1) As a general rule the Master thesis will be carried at and under the responsibility of the home institution. Upon request it is also possible that a thesis is supervised jointly by both institutions. For that the Degree candidates shall choose the first supervisor from the home institution, and a second supervisor shall be allocated from the host institution.
(2) The Double Degree shall only be awarded after the student has completed his/her studies at the home institution, and has additionally collected at least 30 ECTS credit points under the responsibility of the host institution.
(3) For the purpose of international mobility and recognition, the Double Degree will be accompanied by a Diploma Supplement according to art. IX.3 of the Lisbon Recognition Convention of April 11, 1997.

§ 4

Tuition fees shall, on the basis of reciprocity, be waived during those parts of the study program which will be carried out at the host institution, however local registration fees have to be paid by the students. All activities of the program are subject to the availability of the institution's financial resources and/or third party funds. **Both institutions agree to seek financial support from national and international organisations to support those students, which study at the host institution.**

§ 5

Each institution will nominate a program coordinator to ensure that the Double Degree Program proceeds according to a reasonable schematic plan, and that the terms of this Agreement are carried out. Each institution may name a substitute or replacement of its coordinator. Each program coordinator will ensure that the partner institution is provided with all information appropriate to the promotion of the program.

§ 6

(1) This Agreement shall be in force from October 1st, 2017. It remains valid for the respective accreditation periods of the a.m. MA-programs at each institution and will be prolonged for the next period after successful accreditations. It may be altered or amended based upon mutual agreement. All changes and modifications shall be done in writing and shall be signed by the authorised representatives of each Partner.

(2) The Agreement may be terminated at the request of either institution, provided such request is made in writing at least twelve months before termination is to become effective. Any termination of the Agreement must take into account the rights of students already participating or accepted for any exchange to complete the parts of the study program, which will be carried out under the responsibility of the host institution.

(3) An evaluation of this Agreement will be initiated by both institutions at least twelve months prior to the expiration of the accreditation of the a.m. MA-programs at either AMU or CAU to ascertain if the program should be continued and, if so, how it might be improved.

§ 7

This agreement is drawn up and signed in two copies in Polish and two copies in English, all of them are of identical meaning. Two copies, one in Polish and one in English, are to be deposited with each institution.

Legal addresses of the partners:

Adam-Mickiwicz-University, Poznań
ul. Wieniawskiego, 1
PL-61-712 Poznań

«_____» _____ 2017

_____
Prof. Dr. Andrzej Lesicki
Rector

_____
Prof. Dr. Przemysław Wojtaszek
Dean, Faculty of Biology

Kiel University
Olshausenstrasse 40
D-24098 Kiel

«_____» _____ 2017

_____
Prof. Dr. Lutz Kipp
President

_____
Prof. Dr. Natascha Oppelt,
Dean, Faculty of Mathematics and Natural Sciences

_____
Prof. Dr. Joachim Krieter
Dean, Faculty of Agricultural and Nutritional Sciences

_____
Appendix A: Jointly Developed Study Programme
Appendix B: Conversion table for marks issued at CAU and AMU