

Subject-specific Study Regulations

for the Master's Degree Programme in "Integrated Natural Resource Management"

Reading version according to the study and examination regulations, 15/09/2014 and the first (28/02/2018) and second (01/04/2024) amendment

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§ 1 Area of application

(1) The study regulations presented hereinafter shall contain the subject-specific regulations of the master's degree programme in "Integrated Natural Resource Management". They shall apply in connection with the subject-specific examination regulations of the master's degree programme in "Integrated Natural Resource Management" and the "General Admission, Study and Examination Regulations of Humboldt-Universität zu Berlin (ZSP-HU)" in their respective current version.

§ 2 Start of the programme

The programme starts at the beginning of the winter semester.

§ 3 Objectives of the programme

(1) The objective of the master's degree programme as a second professional qualifying degree in the field of integrated natural resource management shall be to prepare students for a professional career or for pursuing a doctoral degree.

(2) After successfully completing their studies, students shall be qualified to make a targeted contribution to solving questions of sustainability of interconnected natural, technical, economic and social systems. They shall be able to analyse scientific and social interrelationships, particularly with regard to the interaction of social and ecological systems, and to develop and implement concrete measures aimed at sustainable use of resources.

(3) The master's degree programme shall provide professional, theoretical, methodological and social competences that are indispensable for scientific work. To obtain the degree, students will also have demonstrated creativity, readiness to think innovatively and a sense of responsibility.

(4) Students will have obtained key interdisciplinary qualifications for a broad and dynamically changing professional field. Professional fields of application shall include leading positions in agriculture and environmental economics, in authorities, services and science. Students will be able to critically categorise, assess and convey their acquired knowledge. They will be taught to engage in lifelong learning and teamwork.

(5) The modules of this programme are offered in English. In the interdisciplinary elective area modules offered in German can be chosen. Students will have taken the opportunity to acquire and use foreign language skills.

(6) The master's degree programme in "Integrated Natural Resource Management" shall offer opportunities to participate in research and development projects.

§4 Types of courses

(1) The types of courses shall not only correspond to the types of courses named in ZSP-HU, but also include study projects.

(2) The study project (SPJ) may be conducted individually or as group work in the second or third semester of the programme. In the context of the topic chosen for their study project, students shall apply and put to the test particular methods of scientific research. Furthermore, they shall acquire additional qualifications in the presentation of scientific findings and in interdisciplinary cooperation.

§5 Modules of the programme

The master's degree programme comprises modules with a total workload of 120 credit points (CP).

(a) Compulsory modules (54 CP)

Compulsory modules of the programme comprise four modules with a total workload of 24 CP as well as the master's thesis worth 30 CP:

- CM 1: Agroecosystems, Environment and Sustainable Natural Resource Use (6 CP)
- CM 2: Environmental and Resource Economics (6 CP)
- CM 3: Soil and Water Protection (6 CP)
- CM 4: Institutional Economics and Political Economy (6 CP)
- Master's Thesis (30 CP)

(b) Compulsory elective modules (54 CP)

(1) The compulsory elective area consists of modules as well as the study project. The modules are grouped into the following four knowledge areas. Modules with a workload of 54 CP (i.e., 9 modules or 7 modules and the study project) are to be completed.

(2) The study project is to be assigned to one of the knowledge areas. The supervisor must inform the Examination Office of the assignment and place it on record. Out of the following options, at least one module from at least three of the four knowledge areas has to be completed:

Knowledge Area 1: "Natural Sciences Applied to the Use and Protection of Natural Resource Systems":

- FM 1: Biodiversity: Assessment, Function and Evolution (6 CP)
- FM 2: Agricultural Climatology and Ecophysiology (6 CP)
- FM 3: Irrigation and Drainage Systems (6 CP)
- FM 4: Plant Diseases in the Environment and Control Management (6 CP)
- FM 5: Practices and Organisation of Organic Farming (6 CP)

Knowledge Area 2: "Social Sciences Applied to the Use and Protection of Natural Resource Systems":

- FM 6: Environmental Sociology and Environmental Policy (6 CP)
- FM 7: Advanced Environmental and Resource Economics (6 CP)
- FM 8: Participatory Rural Innovation and Knowledge Systems (6 CP)
- FM 9: Economics of Agricultural and Rural Development (6 CP)
- FM 10: Cooperation and Cooperative Organizations (6 CP)

Knowledge Area 3: "Advanced Methodologies for Empirical Analysis of the Interaction of Social, Natural and Technical Systems":

- FM 11: Human-Environmental Systems Interaction (6 CP)
- FM 12: Advanced Empirical Methodology for Social-Ecological Systems Analysis (6 CP)
- FM 13: Geographic Information Systems (GIS) and Landscape Analysis (6 CP)
- FM 14: Public Policy Analysis: Agriculture and Food Policy (6 CP)
- FM 15: Risk and Uncertainty in Science and Policy (6 CP)

Knowledge Area 4: "Management of Environmental and Natural Resource Systems":

- FM 16: Environmental Management and Information Systems (6 CP)
- FM 17: Land and Water Management (6 CP)
- FM 18: Biodiversity and Conservation Management (6 CP)
- FM 19: Climate and Energy Management (6 CP)
- FM 20: Integrative Fisheries Management (6 CP)
- FM 21: International Forest Use and Management (6 CP)
- FM 22: The Role of Gender for Sustainable Resource Management (6 CP)
- FM 23: Project Management – Applied Natural Resource-based Sectors and Development Programmes (6 CP)

All Knowledge Areas:

- FWM/FM 24: Study Project (12 CP)

(3) Compulsory elective modules can be grouped cross-disciplinarily into six priority areas, of which the students have to elect two. These priority areas allow for a focus on a thematically coherent group of subjects and have to be reported in writing to the Examination Office by the students during the second semester at the latest.

(4) In each of the two selected priority areas, three modules (18 CP) from the selection lists below must be completed.

(5) Each module can only be accounted for in one priority area at a time.

1. Priority Area "Methodology and Modelling of Sustainability":

- FM 11: Human-Environmental Systems Interaction (6 CP)
- FM 12: Advanced Empirical Methodology for Socio-Ecological Systems Analysis (6CP)
- FM 13: Geographic Information Systems (GIS) and Landscape Analysis (6 CP)
- FM 15: Risk and Uncertainty in Science and Policy (6 CP)
- FM 9: Economics of Agricultural and Rural Development (6 CP)

2. Priority Area "Sustainable Production Processes":

- FM 5: Practices and Organisation of Organic Farming (6 CP)
- FM 16: Environmental Management and Information Systems (6 CP)
- FM 4: Plant Diseases in the Environment and Control Management (6 CP)
- FM 10: Cooperation and Cooperative Organizations (6 CP)
- FM 14: Public Policy Analysis: Agriculture and Food Policy (6 CP)

3. Priority Area "Sustainability Institutions and Policies":

- FM 6: Environmental Sociology and Environmental Policy (6 CP)
- FM 7: Advanced Environmental and Resource Economics (6 CP)
- FM 10: Cooperation and Cooperative Organizations (6 CP)
- FM 11: Human-Environmental Systems Interaction (6 CP)
- FM 12: Advanced Empirical Methodology for Socio-Ecological Systems Analysis (6 CP)

4. Priority Area "Land and Water":

- FM 3: Irrigation and Drainage Systems (6 CP)
- FM 17: Land and Water Management (6 CP)
- FM 13: Geographic Information Systems (GIS) and Landscape Analysis (6 CP)
- FM 23: Project Management – Applied Natural Resource-based Sectors and Development Programmes (6 CP)
- FM 7: Advanced Environmental and Resource Economics (6 CP)

5. Priority Area " Biodiversity and Nature Conservation":

- FM 1: Biodiversity: Assessment, Function and Evolution (6 CP)
- FM 18: Biodiversity and Conservation Management (6 CP)
- FM 12: Advanced Empirical Methodology for Socio-Ecological Systems Analysis (6 CP)
- FM 20: Integrative Fisheries Management (6 CP)
- FM 7: Advanced Environmental and Resource Economics (6 CP)

6. Priority Area "Climate Change and Renewable Energy":

- FM 2: Agricultural Climatology and Ecophysiology (6 CP)
- FM 19. Climate and Energy Management (6 CP)
- FM 11: Human-Environmental Systems Interaction (6 CP)
- FM 21: International Forest Use and Management (6 CP)
- FM 7: Advanced Environmental and Resource Economics (6 CP)

(c) Interdisciplinary elective area (12 CP):

Interdisciplinary elective modules with a workload of 12 CP are to be completed from designated module catalogues of other subjects or central institutions of Humboldt-Universität or in the form of modules from other universities at the student's choice.

§ 6 Interdisciplinary elective modules for other master's degree programmes

The following interdisciplinary elective module is offered for other master's degree programmes:

- FM 9 (ÜF): Economics of Agricultural and Rural Development (10 CP)

Article I

§ 7 is supplemented by the following paragraph:

"(3) If more modules are completed than those required to achieve the degree in accordance with the study regulations, these modules shall not be taken into account. Decisive for the consideration of the modules is the chronological order of the examination dates (date and time) of the passed final module examinations."

Article II

(1) These amendment regulations shall enter into force on April 01, 2024.

2) The subject-specific examination regulations dated September 15, 2014 (Official Gazette of Humboldt-Universität zu Berlin No. 89/2014), last amended on February 28, 2018 (Official Gazette of Humboldt-Universität zu Berlin No. 14/2018), in the version of these amendment regulations apply to all students who commence their studies after these amendment regulations come into force or who continue their studies after changing universities, degree programs or subjects or re-enrolling

(3) Students who commenced their studies before the entry into force of these amendment regulations or who have continued their studies after a change of university, degree program or subject or a re-matriculation shall continue their studies on a transitional basis in accordance with the regulations previously applicable to them. Alternatively, they can choose the subject-specific examination regulations from September 15 (Official Gazette of Humboldt-Universität zu Berlin No. 89/2014), last amended on February 28, 2018 (Official Gazette of Humboldt-Universität zu Berlin No. 14/2018), as amended by these amendment regulations. The election must be declared in writing to the Examinations Office and is irrevocable. From October 1, 2025, the examination regulations of September 15, 2014, last amended on February 28, 2018, shall apply without exception in the version of these amendment regulations. When transferring to the examination regulations of September 15, 2014, last amended on February 28, 2018, in the version of these amendment regulations, previous achievements will be taken into account in accordance with Section 110 ZSP-HU.

The university management confirmed the second amendment to the examination regulations on February 15, 2024.

8. In "Appendix 1: Module Descriptions" the module descriptions of the following modules shall be replaced according to Appendix 1 of the present amendment regulations:

- CM 1: Agroecosystems, Environment and Sustainable Natural Resource Use (6 CP)
- CM 2: Environmental and Resource Economics (6 CP)
- CM 4: Institutional Economics and Political Economy (6 CP)
- FM^o5 Practices and Organization of Organic Farming (6 CP)
- FM 7: Advanced Environmental and Resource Economics (6 CP)
- FM^o8: Participatory Rural Innovation and Knowledge Systems^o(6 CP)
- FM^o9: Economics of Agricultural and Rural Development (6 CP)
- FM 9 (ÜF): Economics of Agricultural and Rural Development (10 CP)
- FM 10: Cooperation and Cooperative Organizations (6 CP)
- FM 12: Advanced Empirical Methodology for Social-Ecological Systems Analysis (6 CP)
- FM 14: Public Policy Analysis: Agriculture and Food Policy (6 CP)
- FM 16: Environmental Management and Information Systems (6 CP)
- FM 18: Biodiversity and Conservation Management^o(6 CP)
- FM^o21: International Forest Use and Management^o(6 CP)
- FM 24: Study Project (12 CP)

9. The following module descriptions shall be deleted without replacement in "Appendix 1: Module Descriptions":

- FM 5 (ÜF): Practices and Organization of Organic Farming (10 CP)
- FM 10 (ÜF): Co-operation and Co-operative Organizations (10 CP)
- FM 22 (ÜF): The Role of Gender for Sustainable Resource Management (10 CP)

10. "Appendix 2: Ideal Study Plan without Semester Abroad" and "Appendix 3: Ideal Study Plan with Semester Abroad" shall be combined and replaced according to Appendix 2 of the present amendment regulations. Appendix 3 shall be deleted without replacement.