Amtliches Mitteilungsblatt

Lebenswissenschaftliche Fakultät

Erste Änderung
der fachspezifischenStudien- und Prüfungsordnung für den Masterstudiengang Integrated Natural Resource Management (AMB Nr. 89/2014)

Überfachlicher Wahlpflichtbereich für andere Masterstudiengänge und -studienfächer

Herausgeber:	Die Präsidentin der Humboldt-Universität zu Berlin Unter den Linden 6, 10099 Berlin	**Nr. 14/2018**
Satz und Vertrieb:	Stabsstelle Presse- und Öffentlichkeitsarbeit	**27. Jahrgang/28. Februar 2018**

Erste Änderung der fachspezifischen Studienordnung

für den Masterstudiengang „Integrated Natural Resource Management" (AMB Nr. 89/2014)

Gemäß § 17 Abs. 1 Ziffer 3 der Verfassung der Humboldt-Universität zu Berlin in der Fassung vom 24. Oktober 2013 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 47/2013) hat der Fakultätsrat der Lebenswissenschaftlichen Fakultät am 20. September 2017 die erste Änderung der Studienordnung erlassen*:

Artikel I

1. In § 5 (a) werden die Titel der Pflichtmodule CM 1, CM 2 und CM 4 wie folgt geändert:
   - CM 1: Agroecosystems, Environment and Sustainable Natural Resource Use (6 LP)
   - CM 2: Environmental and Resource Economics (6 LP)
   - CM 4: Institutional Economics and Political Economy (6 LP)

2. In § 5 (b) werden die Titel der Module FM 7, FM 9, FM 10, FM 12 und FM 14 wie folgt geändert:
   - FM 7: Advanced Environmental and Resource Economics (6 LP)
   - FM 9: Economics of Agricultural and Rural Development (6 LP)
   - FM 10: Cooperation and Cooperative Organizations (6 LP)
   - FM 12: Advanced Empirical Methodology for Social-Ecological Systems Analysis (6 LP)
   - FM 14: Public Policy Analysis: Agriculture and Food Policy (6 LP)

3. § 5 (b) Absatz 3 erhält folgende Fassung:

„(3) Wissensgebietsübergreifend werden im fachlichen Wahlpflichtbereich sechs Studienschwerpunkte angeboten, von denen die Studierenden zwei Schwerpunkte wählen. Die Studienschwerpunkte ermöglichen eine Fokussierung auf eine thematisch kohärente Fächergruppe und sind durch die Studierende/den Studierenden spätestens im 2. Semester im Prüfungsbüro schriftlich anzuzeigen."

4. § 5 (b) Absatz 4 erhält folgende Fassung:

„In jedem der beiden gewählten Studienschwerpunkte sind drei Module (18 LP) aus den unten aufgeführten Auswahllisten zu belegen."

5. In § 5 (b) entfällt der Kursivdruck der Module in den Auswahllisten der sechs Studienschwerpunkte.

6. § 5 (c) erhält folgende Fassung:

„Im überfachlichen Wahlpflichtbereich sind Module aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtungen der HU oder Module anderer Hochschulen im Umfang von 12 LP nach freier Wahl zu absolvieren."

7. § 6 erhält folgende Fassung:

„Für den überfachlichen Wahlpflichtbereich anderer Masterstudiengänge wird das folgende Modul angeboten:

FM 9(ÜF): Economics of Agricultural and Rural Development (10 LP)"

8. In „Anlage 1: Modulbeschreibungen" werden die Modulbeschreibungen der folgenden Module gemäß Anlage 1 dieser Änderungsordnung ersetzt:
   - CM 1: Agroecosystems, Environment and Sustainable Natural Resource Use (6 LP)
   - CM 2: Environmental and Resource Economics (6 LP)
   - CM 4: Institutional Economics and Political Economy (6 LP)
   - FM°5 Practices and Organization of Organic Farming (6 LP)
   - FM 7: Advanced Environmental and Resource Economics (6 LP)
   - FM°8: Participatory Rural Innovation and Knowledge Systems°(6 LP)
   - FM°9: Economics of Agricultural and Rural Development (6 LP)
   - FM 9(ÜF): Economics of Agricultural and Rural Development (10 LP)
   - FM 10: Cooperation and Cooperative Organizations (6 LP)

* Die Universitätsleitung hat die erste Änderung der Studienordnung am 25. Januar 2018 bestätigt.

- FM 12: Advanced Empirical Methodology for Social-Ecological Systems Analysis (6 LP)
- FM 14: Public Policy Analysis: Agriculture and Food Policy (6 LP)
- FM 16: Environmental Management and Information Systems (6 LP)
- FM 18: Biodiversity and Conservation Management°(6 LP)
- FM°21: International Forest Use and Management°(6 LP)
- FM 24: Studienprojekt/ Study Project (12 LP)

9. In „Anlage 1: Modulbeschreibungen" werden die Modulbeschreibungen der Module
   - FM 5 (ÜF):_ Practices and Organization of Organic Farming (10 LP)
   - FM 10 (ÜF): Co-operation and Co-operative Organizations (10 LP)
   - FM 22 (ÜF): The Role of Gender for Sustainable Resource Management (10 LP)

   ersatzlos gestrichen.

10. Die „Anlage 2: Idealtypischer Studienverlaufsplan ohne Auslandssemester" und die „Anlage 3: Idealtypischer Studienverlaufsplan mit Auslandssemester" werden zusammengefasst und gemäß Anlage 2 dieser Änderungsordnung ersetzt. Anlage 3 wird ersatzlos gestrichen.

Artikel II

(1) Die erste Änderung der Studienordnung tritt am Tage nach ihrer *Veröffentlichung im Amtlichen Mitteilungsblatt der Humboldt-Universität zu Berlin* in Kraft.

(2) Die fachspezifische Studienordnung vom 15. September 2014 (Amtl. Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014) in der Fassung dieser Änderungsordnung gilt für alle Studentinnen und Studenten, die ihr Studium nach dem In-Kraft-Treten dieser Änderungsordnung aufnehmen oder im Wege eines Hochschul-, Studiengangs- oder Studienfachwechsels oder einer Wiederimmatrikulation fortsetzen.

(3) Studentinnen und Studenten, die ihr Studium vor dem In-Kraft-Treten dieser Änderungsordnung aufgenommen oder im Wege eines Hochschul-, Studiengangs- oder Studienfachwechsels oder einer Wiederimmatrikulation fortgesetzt haben, führen ihr Studium übergangsweise nach den bisher für sie geltenden Regelungen fort. Alternativ können sie die fachspezifische Studienordnung vom 15. September 2014 (Amtl. Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014) in der Fassung dieser Änderungsordnung wählen. Die Wahl muss schriftlich gegenüber dem Prüfungsbüro erklärt werden und ist unwiderruflich. Ab dem 01. Oktober 2019 gilt die Studienordnung vom 15. September 2014 ausnahmslos in der Fassung dieser Änderungsordnung. Beim Übergang in die Studienordnung vom 15. September 2014 in der Fassung dieser Änderungsordnung werden bisherige Leistungen entsprechend § 110 ZSP-HU berücksichtigt.

Anlage 1: Modulbeschreibungen

Abbreviations:
CM: Compulsory Module; FM: Focal Module; SWS: contact hour per week; L: Lecture; SE: Seminar; E: Exercise; FT: Field Trip; TU: Tutorial; KGP: Work in Small Group; SPJ: Study Project; ces: characters excluding space

<table>
<tr><td colspan="4">CM 1: Agroecosystems, Environment and Sustainable Natural Resource Use Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
The students
• have learned about the interdependencies between the principles and practices of agricultural land use and environmental conditions,
• have got knowledge about the organization and constraints of plant production and animal husbandry and relations to sustainability concepts,
• learned about how these systems relate to landscapes, regional land use systems and their ecology as well as into rural development,
• have developed a notion of the respective implementation problems by means of concrete projects and practical examples.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>
<u>90 hours</u>
35 hours presence in class,
55 hours preparation and learning</td><td>3 credits, participation</td><td>• The Eco-geography of domestic livestock and plant production
• Biological processes as bases for plant and animal productivity
• The relationship of nature conservation and landscape maintenance with agricultural production systems
• Different approaches to land use and their implications for the environment
• Productivity of agricultural systems in relation to environmental factors
• Concepts, technologies and measures to minimize unwanted impacts and to integrate ecosystem services into land use
• The relationship between bio-diversity and agricultural production
• Recent research and projects focussing on sustainable land use and actual problems</td></tr>
<tr><td>E</td><td><u>1 SWS</u>
<u>60 hours</u>
15 hours presence in class,
45 hours preparation and learning</td><td>2 credits, participation</td><td>• Selected problems in land use and options of solutions by adapted systems
• Selected technical papers on recent research and projects of high relevance</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Oral Exam, 30 minutes, and preparation</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">CM 2: Environmental and Resource Economics Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• have learned the terminology and concepts of environmental and resource economics,
• are familiar with the paradigms and analytical frameworks in environmental and resource economics,
• understand economic properties of environmental goods and natural resources,
• are able to apply valuation methods and to analyse environmental policy instruments,
• know methodologies for valuation of environmental goods and decision making and
• are familiar with political and institutional strategies regarding resource use and environmental protection.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>

<u>90 hours</u>
35 hours presence in class,
55 hours preparation and learning</td><td>3 credits, participation</td><td>• Leading notions and basic concepts of environmental and resource economics
• Meaning and definitions of sustainability
• Anthropocentric and ecocentric views
• The environment as a public good, market failure and external effects
• Economics of natural resources and models of resource extraction
• Non-renewable natural resources
• Renewable natural resources
• Environmental cost-benefit analysis
• Environmental values and assessment
• Valuation in environmental economics
• Economics of pollution and optimal control:
Defining environmental policy objectives
• Instruments of environmental policies: Pollution control policy
• Instruments and institutions of resource management and environmental policy</td></tr>
<tr><td>KGP</td><td><u>1 SWS</u>

<u>60 hours</u>
15 hours presence in class,
45 hours preparation and learning and special working task</td><td>2 credits,
Written term paper, ca. 15,000 ces per student</td><td>Group work for organizational skills by
• Developing a joint paper and presentation
• Commitment to collective action, generation of trust
• Practice of interaction required for sustainable cooperation</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Written exam, 90 minutes, and preparation</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☐ winter semester ☒ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">CM 4: Institutional Economics and Political Economy Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• have a good knowledge of the basic terms institutional economics and political economy,
• know theories to conceptualize and analyse the role of institutions in the economy and society,
• understand main drivers and processes of institutional change and political reform,
• are able to contrast different strands of institutional economics and their background,
• are familiar with theories concerning political economy and governance and their change,
• know cases and examples that illustrate the relevance of institutional and political analysis and
• are able to apply the concepts learned in their field of study and decision making.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>2 SWS</u>
<u>90 hours</u>
25 hours presence in class,
65 hours preparation and learning</td><td>3 credits, participation</td><td>• Basic coordination problems
• Frameworks for institutional analysis
• Transactions and transaction cost
• Governance of economic transactions
• Game Theory and behaviour
• Property Rights Theory
• Collective Action Theory
• Commons and cooperatives
• Transaction Costs Theory
• Principal-agent Theory
• Theory of the Firm
• Labour contracts
• Public Choice Theory
• Theory of Constitutions
• Theory of Democracy
• Interpretative Politics
• Theory of Interest Groups
• Theory of Bureaucracy
• Theories of Institutional Change
• Political reform and advocacy coalitions
• Theories of Public Policy making
• Theories of multi-level governance</td></tr>
<tr><td>SE</td><td><u>2 SWS</u>
<u>60 hours</u>
25 hours presence in class,
35 hours preparation and learning</td><td>2 credits, participation</td><td>• Reading and discussion of articles demonstrating on core approaches
• Application of conceptual ideas introduced in analytical practice
• Group work on review questions</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Written exam, 90 minutes, and preparation</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 5: Practices and Organization of Organic Farming Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
The students
• are familiar with the potential of organic farming for resource protection worldwide,
• can apply problem oriented solutions for organising resource protection by using the concept of organic farming and
• are familiar with the business organisation and performance of organic agriculture, in the context of the regulatory and policy environment within which it operates as well as broader sustainability considerations.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>
<u>60 hours</u>
35 hours presence in class,
25 hours preparation and learning</td><td>2 credits, participation</td><td>• Philosophy, principles, history and development of the organic farming movement
• Principles of organic crop production: biodiversity, diversity and integration of enterprise, sustainability, natural pest management, natural soil fertility, and integrity
• Description of farming practices required for successful organic farming illustrating these practices by international case studies
• Recent research, projects and debates related to relevant issues of organic farming
• Factors influencing the financial and physical productivity of organic crop and livestock enterprises
• General policy, regulatory and market environment of organic farming
• Organic support schemes and their influence on the financial performance of the whole farm system</td></tr>
<tr><td>SE</td><td><u>1 SWS</u>
<u>90 hours</u>
15 hours presence in class,
75 hours preparation and learning and special working task</td><td>3 credits,
Term paper, ca. 12,000 ces and references per student</td><td>Further discussion of lecture topics</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Oral exam as group presentation and discussion (max. 4 students), 15 minutes per student, and preparation</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☐ winter semester ☒ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 7: Advanced Environmental and Resource Economics Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• understand ecological economics and conceptualisations of social-ecological issues,
• have acquired knowledge about the role of institutions for environmental and natural resource problems,
• are able to analyse relevant institutions for environmental and natural resource problems,
• are familiar with frameworks for organising empirical material for institutional analysis,
• know core theories of relevance to institutional analysis of resource use and the environment,
• have basic skills regarding data gathering and analysis for empirical institutional analysis (both qualitative and quantitative methods and their combination and interpretation of results),
• see the linkages between research design, theories, frameworks and methods when analysing specific environmental and natural resource problems in their own work and
• apply their knowledge to structure the analysis of an empirical and a conceptual problem.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>
<u>60 hours</u>
35 hours presence in class,
25 hours preparation and learning</td><td>2 credits,
participation</td><td>• Theories and frameworks in institutional, environmental and resource economics
• Methodology of institutional and policy analysis applied to natural resources
• Illustration of methodological approaches by using selected studies as examples
• Group work and in-depth discussions</td></tr>
<tr><td>SE</td><td><u>2 SWS</u>
<u>60 hours</u>
25 hours presence in class,
35 hours preparation and learning and special working task</td><td>2 credits,
Term paper:
Option 1: Literature discussions (ca. 10,000 ces),
Option 2: Preparation of seminars (ca. 10,000 ces)</td><td>Sequence of topics: (a) conventional and ecological economics, (b) social-ecological systems, (c) frameworks, (d) theories, (e) research methods, (f) examples.
Teaching methods:
• preparation of the contents by participants through reading the relevant literature
• explanation of main subjects and the "chain of thought" by the lecturers
• issues for seminar/literature discussion in the group prepared by students
• feedback on individual and group work</td></tr>
<tr><td>Final exam</td><td><u>60 hours</u>
Term paper: proposal for a Master thesis, ca. 30,000 ces, and preparation</td><td>2 credits, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 8: Participatory Rural Innovation and Knowledge Systems Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• have knowledge in theory and practice of rural knowledge and innovation systems,
• are able to analyse research and extension processes, with regard to its participatory design,
• know how to organize trans disciplinary R&D projects in a systematic way and
• are able to prepare, conduct and evaluate clientele-centred extension.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and pre-conditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>2 SWS</u>

<u>60 hours</u>
25 hours presence in class,
35 hours preparation and learning</td><td>2 credit, participation</td><td>• Theoretical foundations concerning organization and functions of PRIKS
• Forms of organization in agricultural research and extension services (international)
• Planning of participatory advisory and learning processes
• Implementation of knowledge exchange activities</td></tr>
<tr><td>E</td><td><u>2 SWS</u>

<u>60 hours</u>
25 hours presence in class,
35 hours preparation and learning and special working task</td><td>2 credits, participation,
individual preparation of a term paper, ca. 10,000 ces, presentation of 15 minutes in class</td><td>Intensive training course on communication and advisory skills</td></tr>
<tr><td>Final exam</td><td><u>60 hours</u>
Written exam, 90 minutes, or term paper (ca. 45,000 ces) and preparation</td><td>2 credits, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 9: Economics of Agricultural and Rural Development Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives: Students
• know the definitions and dimensions of development, main development theories and their implications for the states and processes of development,
• are able to compare and contrast development experiences of different countries and regions,
• are able to critically discuss past and potential policy interventions, especially those targeting agriculture,
• are able to identify development problems, especially in agricultural and rural development, and develop strategies in light of past successful and failed experiences of countries.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>

<u>90 hours</u>
35 hours presence in class,
55 hours preparation and learning</td><td>3 credits, participation</td><td>• Definitions and dimensions of development
• Measuring development and indicators
• Actors of development and political economy
• Development assistance and development
• Population and demography
• Education, health and human capital
• Inequality, poverty and development
• Trade, growth and development
• Migration, refugees and IDPs
• Agricultural productivity and development
• Rural and micro finance
• Foreign direct investment in agriculture
• Climate change and agriculture
• Water and development</td></tr>
<tr><td>SE</td><td><u>1 SWS</u>

<u>60 hours</u>
15 hours presence in class,
45 hours preparation and learning, special working task</td><td>2 credits, participation, student term papers, 25,000 ces</td><td>• Different formats to digest the lecture content such as:
  • Case studies on different countries and regions on the successes and failures of development
  • Mandatory readings and discussions
  • Student term papers on selected development topics</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Written exam, 90 minutes, and preparation
or
oral exam (30 minutes)</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☐ winter semester ☒ summer semester</td></tr>
</table>

FM 9 (ÜF): Economics of Agricultural and Rural Development			Credits: 10
Learning objectives: Students • know the definitions and dimensions of development, main development theories and their implications for the states and processes of development, • are able to compare and contrast development experiences of different countries and regions, • are able to critically discuss past and potential policy interventions, especially those targeting agriculture, • are able to identify development problems, especially in agricultural and rural development, and develop strategies in light of past successful and failed experiences of countries.			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and preconditions for granting	Topics, contents
L	3 SWS 90 hours 35 hours presence in class, 55 hours preparation and learning	3 credits, participation	• Definitions and dimensions of development • Measuring development and indicators • Actors of development and political economy • Development assistance and development • Population and demography • Education, health and human capital • Inequality, poverty and development • Trade, growth and development • Migration, refugees and IDPs • Agricultural productivity and development • Rural and micro finance • Foreign direct investment in agriculture • Climate change and agriculture • Water and development
SE	1 SWS 60 hours 15 hours presence in class, 45 hours preparation and learning and special working task	2 credits, participation, term paper 25,000 ces	• Different formats to digest the lecture content such as: • Case studies on different countries and regions on the successes and failures of development • Mandatory readings and discussions • Student term papers on selected development topics
SE	2 SWS 120 hours 25 hours presence in class, 95 hours preparation and learning and special working task	4 credits, participation term paper (40,000 ces, graded), presentation of 20 minutes of a term paper (graded)	• Preparation and presentation of 20 minutes of a term paper, graded (to enable students to assess their academic writing and presentation skills)
Final exam	30 hours Written exam, 90 minutes and preparation or oral exam, 30 minutes and preparation	1 credit, pass	
Duration of module	☒ 1 semester	☐ 2 semesters	
Start of Module	☐ winter semester	☒ summer semester	

<table>
<tr><td colspan="4">FM 10: Cooperation and Cooperative Organizations Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• have received an introduction into problems of cooperative organizations, simple model of cooperative organization
• have learned about different theoretical perspectives: yardstick, market entry, collective action, organizational and development economics, public choice, games and behaviour,
• have discussed about the development of cooperatives getting the empirical background for understanding concepts and ideas and
• know how to analyse the Cooperative law, strategies towards poverty alleviation and rural development, management and business practices as well as self-help initiatives.</td></tr>
<tr><td colspan="4">Preconditions: none, recommended: methodological competence, social competence, theory building skills, academic writing skills</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>

<u>60 hours</u>
35 hours presence in class,
25 hours preparation and learning</td><td>2 credits, participation</td><td>• Cooperatives and Democratic Membership Organizations (DMOs) worldwide: Historical development, facts and typologies
• Basics of economic theory: types of goods, behavioural models, the logic of cooperation and self-help organizations
• Cooperatives as business associations: principles, ownership and agents
• Governing the cooperative: decision-making, corporate vs cooperative governance
• Position and impact of cooperatives in agribusiness cases: Dairy, wine, fruit and vegetable
• Producer organizations in the international development debate: Poverty alleviation, microfinance and gender
• Cooperatives and communities: Rural development challenges in the EU, cooperation and the future of municipal infrastructure
• Cooperatives in other sectors: Housing cooperatives, civil society and urbanization; energy cooperatives and the transformation of the energy sector</td></tr>
<tr><td>SE</td><td><u>1 SWS</u>

<u>60 hours</u>
15 hours presence in class,
45 hours preparation and learning and special working task</td><td>2 credits, participation, presentation in class, 10 minutes</td><td>Students present and discuss their ideas and paper proposals in a students’ colloquium</td></tr>
<tr><td>Final exam</td><td><u>60 hours</u>
term paper, ca. 30,000 ces</td><td>2 credits, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☐ winter semester ☒ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 12: Advanced Empirical Methodology for Social-Ecological Systems Analysis Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
The students know
• the leverage interrelationships between ecological, economic, social and institutional systems leading to unsustainable trends in natural resource use,
• collective action problems among users in an increasingly globalised arena,
• the potential of multiple-methods to provide valuable insights and to contribute to collaborative strategies and conflict-resolution mechanisms,
• the stock of experiences based on pertinent research employing multiple methods with the aim to study the complexity of human behaviour and the complex interactions with socio-ecological systems,
• experimental economics and game theory and
• how to employ experimental techniques to provide insights on the role of institutions and of behavioural aspects in solving problems of group externalities or social dilemmas where the individual optimum clashes with the group optimum.</td></tr>
<tr><td colspan="4">Preconditions: none, recommended: basic knowledge of qualitative and quantitative research methods, basics of economics and social sciences, basic statistics, basic econometrics</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>
<u>90 hours</u>
35 hours presence in class,
55 hours preparation and learning</td><td>3 credits, participation</td><td>• Introduction of general research methodologies applied in social sciences and economics
• Theoretical discussion and practical testing of relevant methods
• Role playing games stressing social interaction and collaboration instead of competition
• Agent-based models as computational models for simulating the actions and interactions of individuals or collectives
• Crafting Rules by Discourse as an innovative urban rule-making development-promoting planning and consensus-building tool
• Introducing Simulations, Vision Development, Mediated Modelling, Systemic Constellations, Social Metabolism, etc.
• Empirical studies drawing also on Game theory and its relevance to Institutional, Experimental and Behavioural Economics focusing on applications in Natural Resource Management.
• Discussing types of games, game design concepts and interpretation of results.</td></tr>
<tr><td>SE</td><td><u>1 SWS</u>
<u>60 hours</u>
15 hours presence in class,
45 hours preparation and learning</td><td>2 credits, participation</td><td>Practical training in multiple-methods, exercise, gaming</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Oral exam (group of 4, 40 minutes per group) and preparation</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☐ winter semester ☒ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 14: Public Policy Analysis: Agriculture and Food Policy Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students are able to
• describe basic concepts of public policy analysis related to issues in agriculture and food policy,
• critically assess academic and practical arguments about agricultural and food policy,
• apply the concepts from the course to analyse current problems in agricultural and food policy,
• develop solutions to public policy issues regarding agriculture and food, based on the concepts and content from the course.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and precondition for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>2 SWS</u>
<u>60 hours</u>
25 hours presence in class,
35 hours preparation and learning</td><td>2 credits, participation</td><td>• Concepts of public policy
• Approaches to public policy analysis
• The institutional framework of agricultural and food policy
• The agricultural policy process
• Agricultural and food policy discourses
• Analysis of exemplary issues in market and price policy, structural and rural policy</td></tr>
<tr><td>SE</td><td><u>2 SWS</u>
<u>90 hours</u>
25 hours presence in class,
65 hours preparation and learning</td><td>3 credits,
active participation</td><td>Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Written exam 90 minutes or oral exam 30 minutes and preparation,
or term paper 35.000 ces</td><td>1 credit, Pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 16: Environmental Management and Information Systems Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
The students
• have learned to name driving forces for the introduction of QM/EM systems,
• know basic concepts and theory approaches of the quality/environmental management,
• can describe and judge basic concepts and data basis of environmental information systems and
• are familiar with principles and problems of assessment.</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>

<u>60 hours</u>
35 hours presence in class,
25 hours preparation and learning</td><td>2 credits, participation</td><td>• Introduction
○ Motives for the introduction QM/EM
○ Approaches (systems approach, stakeholder concept)
○ Basic ethical arguments
• Options of politics, authorities and enterprise
○ Legal restrictions; market mechanisms, negotiation solutions
○ Integrated Management Systems
• Information and Assessment Systems
○ Data basis
○ Methods, Modelling
○ Approaches for assessment and related problems
• Environmental marketing/environmental and risk communication
• Sustainable Value Chains and CSR</td></tr>
<tr><td>SE</td><td><u>1 SWS</u>

<u>60 hours</u>
15 hours presence in class,
45 hours preparation and learning and special working task</td><td>2 credits, Participation and group presentation, 10 minutes per student</td><td>Reading articles, teamwork</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Term paper, ca. 30.000 ces</td><td>2 credits, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 18: Biodiversity and Conservation Management Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• got knowledge of categories, types and socio-political developments of protected areas,
• have learned about international agreements and organisations relevant for protected areas,
• got an overview of policy instruments and governance approaches in protected areas,
• got insights into typical cases of protected area management worldwide,
• clarified the relevance of biodiversity economics: biodiversity loss; climate change; population growth,
• have learned about institutional drivers and values behind the shift towards economics of biodiversity,
• developed an understanding of how economics of biodiversity can influence policies and actions,
• familiarized with historical and new currents in economic thought related to biodiversity,
• have learned about different and partly conflicting perspectives in biodiversity economics,
• got to know creative, innovative and collective responses to unsolved problems and
• got a toolkit of value articulating institutions (methods).</td></tr>
<tr><td colspan="4">Preconditions: none</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and pre-conditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>2 SWS</u>

<u>30 hours</u>
25 hours presence in class,
5 hours preparation and learning</td><td>1 credit, participation</td><td>• Global history, trends and role of Protected Areas (PA) in modern nature conservation
• Values, benefits; threats and conflicts in PA
• National and international agreements and organisations
• Categories and types of PA
• Policies, governance types and planning procedures of PA
• Key issues of governance and management
• Case studies, different approaches to and experiences with management of PA; guest speakers</td></tr>
<tr><td>SE</td><td><u>2 SWS</u>

<u>60 hours</u>
25 hours presence in class,
35 hours preparation and learning and special working task</td><td>2 credits,
Oral presentation (ca. 20 min) of drafts of group (max. 3 students per group) or individual term papers in class</td><td>• New economic compass for guiding the conservation and use of biodiversity
• Values and institutions of biodiversity and ecosystems
• Information: accounting for biodiversity; valuing and making values explicit
• Incentives: rewarding conservation; reducing harmful subsidies; taking cost into account
• Institutions: regulating the use of biodiversity; protected areas; investments
• Case: conservation and use of wild Coffee Arabica, genetic diversity in Ethiopia; in- and ex-situ conservation; guest speakers</td></tr>
<tr><td>FT</td><td><u>30 hours</u></td><td>1 credit, participation</td><td>Visit of a protected area close to Berlin</td></tr>
<tr><td>Final exam</td><td><u>60 hours</u>
group (max. 3 students per group) or individual term paper (ca. 30,000 ces)</td><td>2 credits, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☐ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 21: International Forest Use and Management Credits: 6</td></tr>
<tr><td colspan="4">Learning objectives:
Students have to
• compare boreal, temperate and tropical forest ecosystems by explaining differences in climate, vegetation and nutrient cycling,
• describe the general physiology of woody plants and basic ecophysiological processes
• distinguish between various types of forest land use and silvicultural practices by illustrating their main characteristics, objectives, and outcomes,
• know about the economic role, policies and regulations of the forestry sector in Germany, Europe and on a global scale,
• summarize basic methodological approaches of forest mensuration and forest inventories, including their limitations, and apply them to given examples,
• calculate the basal area and the volume of a tree and a stand by conducting basic measurements such as height and diameter,
• participate in discussions to analyze and evaluate examples of: conflicts between socio-economic needs and sustainable forest management/conservation; deficits in forest legislation and implementation of regulations; strengths and weaknesses of mechanisms aimed at reducing deforestation and forest degradation,
• critically evaluate different sources of information,
• develop and improve their communication and cooperation skills by working in student groups.</td></tr>
<tr><td colspan="4">Preconditions: none, recommended: knowledge in ecology, biology, or sustainable land-use</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>L</td><td><u>3 SWS</u>

<u>60 hours</u>
35 hours presence in class,
25 hours preparation and learning</td><td>2 credits, participation</td><td>• Overview of the forestry science and the forestry sector
• Short historical outline
• Forest terminology
• Global forest ecosystems
• Forest physiology and ecology
• Economic role of the forestry sector
• Forest products and services
• Sustainable forest management
• Silvicultural practices
• Forests and people
• Forest law and forest policy
• Concepts of forest governance
• Forest certification
• Forest mensuration and inventory
• Forests and climate change</td></tr>
<tr><td>SE</td><td><u>1 SWS</u>

<u>90 hours</u>
15 hours presence in class,
75 hours preparation and learning and special working task</td><td>3 credits, participation, presentation, 30 minutes per group, term papers, ca. 30,000 ces</td><td>• Field trips
• Forest mensuration exercise
• Written exercises
• Group activities
• Literature study
• Research tasks</td></tr>
<tr><td>Final exam</td><td><u>30 hours</u>
Oral exam, 30 minutes, and preparation</td><td>1 credit, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☐ winter semester ☒ summer semester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 24: Studienprojekt Leistungspunkte: 12</td></tr>
<tr><td colspan="4">Lern- und Qualifikationsziele:
Die Studierenden
• können ein selbst ausgewähltes oder von den Lehrenden ausgegebenes wissenschaftliches Thema beschreiben und beurteilen,
• können grundlegende Schlussfolgerungen und Lösungsansätze entwickeln und anwenden,
• sind in der Lage, die ermittelten Ergebnisse darzustellen und zu erläutern.</td></tr>
<tr><td colspan="4">Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls:
Keine. Empfohlen: Absolvierte Pflichtmodule CM 1-5.</td></tr>
<tr><td>Lehrveranstaltungsart</td><td>Präsenzzeit, Workload in Stunden</td><td>Leistungspunkte und Voraussetzung für deren Erteilung</td><td>Themen, Inhalte</td></tr>
<tr><td>SPJ</td><td><u>8 SWS</u>

<u>270 Stunden</u>
90 Stunden Präsenzzeit,
180 Stunden Vor- und Nachbereitung der Lehrveranstaltung</td><td>9 LP,
Teilnahme

Gruppenpräsentation, 10 min. je Studierendem/ Studierender</td><td>Selbständige wissenschaftliche Bearbeitung eines Themas aus dem Modulspektrum des Studiengangs, einzeln oder in der Gruppe. Bearbeitungszeit: 15 Wochen.</td></tr>
<tr><td>Modulabschlussprüfung</td><td><u>90 Stunden</u>

Schriftliche Hausarbeit ca. 30.000 ZoL
oder
mündliche Prüfung, 30 Minuten je Studierendem/ Studierender, und Vorbereitung</td><td>3 LP</td><td></td></tr>
<tr><td>Dauer des Moduls</td><td colspan="3">☒ 1 Semester ☐ 2 Semester</td></tr>
<tr><td>Beginn des Moduls</td><td colspan="3">☒ Wintersemester ☒ Sommersemester</td></tr>
</table>

<table>
<tr><td colspan="4">FM 24: Study Project Credits: 12</td></tr>
<tr><td colspan="4">Learning objectives:
Students
• are able to describe a scientific problem, either self-chosen or handed out by the instructor,
• are able to draw basic conclusions and develop an approach to the solution of the problem and
• are able to present and discuss the obtained results.</td></tr>
<tr><td colspan="4">Preconditions: none. Recommended: passing of the compulsory modules 1-5.</td></tr>
<tr><td>Teaching formats</td><td>Hours per week, workload in hours</td><td>Credits and preconditions for granting</td><td>Topics, contents</td></tr>
<tr><td>SPJ</td><td><u>8 SWS</u>

<u>270 hours</u>
90 hours presence in class,
180 hours preparation and learning</td><td>9 credits,
Participation

Group presentation, 10 minutes per student</td><td>Individual or group work on a scientific topic, related to the spectrum of modules of this programme
Editing time: 15 weeks</td></tr>
<tr><td>Final exam</td><td><u>90 hours</u>

term paper, ca. 30,000 ces
or oral exam, 30 minutes per student, and preparation</td><td>3 credits, pass</td><td></td></tr>
<tr><td>Duration of module</td><td colspan="3">☒ 1 semester ☐ 2 semesters</td></tr>
<tr><td>Start of module</td><td colspan="3">☒ winter semester ☒ summer semester</td></tr>
</table>

Anlage 2: Idealtypischer Studienverlaufsplan

Hier finden Sie eine Aufteilung der Module mit den jeweiligen Lehrveranstaltungen, SWS und LP auf die Semester, die einem idealtypischen, aber nicht verpflichtenden Studienverlauf entspricht.

Nr. d. Moduls	Name des Moduls	1. Semester	2. Semester	3. Semester	4. Semester
Pflichtbereich (insgesamt 54 LP)					
CM 1	Agroecosystems, Environment and Sustainable Natural Resource Use	L/SE 4 SWS 6 LP			
CM 2	Environmental and Resource Economics		L/KGP 4 SWS 6 LP		
CM 3	Soil and Water Protection	L/E 4 SWS 6 LP			
CM 4	Institutional Economics and Political Economy	L/SE 4 SWS 6 LP			
	Masterarbeit/Master Thesis			30 LP	
Fachlicher Wahlpflichtbereich: (insgesamt 54 LP)					
FM	9 Module des fachlichen Wahlpflichtbereichs bzw. 7 Module und Studienprojekt	36 SWS/54 LP			
Überfachlicher Wahlpflichtbereich (12 LP)					
	Module aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtungen der HU oder Module anderer Hochschulen			Entsprechend Modulbeschreibung 12 LP	
SWS und LP je Semester		20 SWS 30 LP	20 SWS 30 LP	30 LP	30 LP

Das 2. oder das 3. Semester eignen sich besonders für ein Studium an einer Universität im Ausland.
Zur Vereinfachung der Anrechnung der an der ausländischen Universität erbrachten Studienleistungen und Prüfungen wird der vorherige Abschluss eines Learning Agreement empfohlen.

Erste Änderung der fachspezifischen Prüfungsordnung

für den Masterstudiengang „Integrated Natural Resource Management" (AMB Nr. 89/2014)

Gemäß § 17 Abs. 1 Ziffer 3 der Verfassung der Humboldt-Universität zu Berlin in der Fassung vom 24. Oktober 2013 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 47/2013) hat der Fakultätsrat der Lebenswissenschaftlichen Fakultät am 20. September 2017 die erste Änderung der Prüfungsordnung erlassen[*]:

Artikel I

Die „Anlage: Übersicht über die Prüfungen" wird gemäß Anlage dieser Änderungsordnung geändert.

Artikel II

(1) Die erste Änderung der Prüfungsordnung tritt am Tage nach ihrer Veröffentlichung im *Amtlichen Mitteilungsblatt der Humboldt-Universität zu Berlin* in Kraft.

(2) Die fachspezifische Prüfungsordnung vom 15. September 2014 (Amtl. Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014) in der Fassung dieser Änderungsordnung gilt für alle Studentinnen und Studenten, die ihr Studium nach dem In-Kraft-Treten dieser Änderungsordnung aufnehmen oder im Wege eines Hochschul-, Studiengangs- oder Studienfachwechsels oder einer Wiederimmatrikulation fortsetzen.

(3) Studentinnen und Studenten, die ihr Studium vor dem In-Kraft-Treten dieser Änderungsordnung aufgenommen oder im Wege eines Hochschul-, Studiengangs- oder Studienfachwechsels oder einer Wiederimmatrikulation fortgesetzt haben, führen ihr Studium übergangsweise nach den bisher für sie geltenden Regelungen fort. Alternativ können sie die fachspezifische Prüfungsordnung vom 15. September 2014 (Amtl. Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014) in der Fassung dieser Änderungsordnung wählen. Die Wahl muss schriftlich gegenüber dem Prüfungsbüro erklärt werden und ist unwiderruflich. Ab dem 01. Oktober 2019 gilt die Prüfungsordnung vom 15. September 2014 ausnahmslos in der Fassung dieser Änderungsordnung. Beim Übergang in die Prüfungsordnung vom 15. September 2014 in der Fassung dieser Änderungsordnung werden bisherige Leistungen entsprechend § 110 ZSP-HU berücksichtigt.

[*] Die Universitätsleitung hat die erste Änderung der Prüfungsordnung am 25. Januar 2018 bestätigt.

Anlage: Übersicht über die Prüfungen

Abkürzungen:
FWM: Fachliches Wahlpflichtmodul; ZoL: Zeichen ohne Leerzeichen

Abbreviations:
CM: Compulsory Module; FM: Focal Module; ces: characters excluding space

Masterstudiengang Integrated Natural Resource Management

Nr. d. Moduls	Name des Moduls	LP des Moduls	Fachspezifische Zulassungsvoraussetzungen für die Prüfung	Form, Dauer/Bearbeitungszeit/Umfang, ggf. Sprache der Prüfung	Benotung
Pflichtbereich (54 LP)					
CM 1	Agroecosystems, Environment and Sustainable Natural Resource Use	6	keine	Oral exam, 30 minutes	ja
CM 2	Environmental and Resource Economics	6	keine	Written exam, 90 minutes	ja
CM 3	Soil and Water Protection	6	keine	Oral exam, 30 minutes	ja
CM 4	Institutional Economics and Political Economy	6	keine	Written exam, 90 minutes	ja
	Masterarbeit/Master Thesis	30	Nachweis über den Abschluss der Pflichtmodule 1–4 Passing of the compulsory modules 1–4	Die Bearbeitungszeit beträgt 24 Wochen. Umfang der schriftlichen Arbeit: ca. 150.000 bis 300.000 ZoL (entspricht etwa 50 bis 100 Seiten), Wichtung 2/3, und mündliche Verteidigung in einem Kolloquium, 60 Minuten, einschließlich Diskussion, Wichtung 1/3. Editing time: 24 weeks; Written thesis, ca. 150,000 to 300,000 ces (approx. 50–100 pages), weighting 2/3 and oral defense in a colloquium, 60 minutes, including discussion, weighting 1/3.	ja

Fachlicher Wahlpflichtbereich (54 LP); 2 Studienschwerpunkte (á 18 LP) sind zu wählen; die Noten eines der beiden Studienschwerpunkte gehen nicht in die Berechnung der Abschlussnote ein.					
Nr. d. Moduls	Name des Moduls	LP des Moduls	Fachspezifische Zulassungsvoraussetzungen für die Prüfung	Form, Dauer/Bearbeitungszeit/Umfang, ggf. Sprache der Prüfung	Benotung
FM 1	Biodiversity: Assessment, Function and Evolution	6	keine	Written exam, 90 minutes	ja
FM 2	Agricultural Climatology and Ecophysiology	6	keine	Written exam, 90 minutes	ja
FM 3	Irrigation and Drainage Systems	6	keine	Oral exam, 30 minutes	ja
FM 4	Plant Diseases in the Environment and Control Management	6	keine	Written exam, 90 minutes	ja
FM 5	Practices and Organization of Organic Farming	6	keine	Oral exam as group presentation and discussion (max. 4 students), 15 minutes per student	ja
FM 6	Environmental Sociology and Environmental Policy	6	keine	Oral exam, 20 minutes, based on seminar paper	ja
FM 7	Advanced Environmental and Resource Economics	6	keine	Term paper: proposal for a Master thesis, ca. 30,000 ces	ja
FM 8	Participatory Rural Innovation and Knowledge Systems	6	keine	Written exam, 90 minutes, or term paper, ca. 45,000 ces	ja
FM 9	Economics of Agricultural and Rural Development	6	keine	Written exam, 90 minutes or oral exam, 30 minutes	ja
FM 10	Cooperation and Cooperative Organizations	6	keine	Term paper, ca. 30,000 ces	ja
FM 11	Human-Environmental Systems Interaction	6	keine	Oral exam, 30 minutes	ja
FM 12	Advanced Empirical Methodology for Social-Ecological Systems Analysis	6	keine	Oral exam (group of 4; 40 minutes per group)	ja
FM 13	Geographic Information Systems (GIS) and Landscape Analysis	6	keine	Multimedia-based exam (at PC), 90 minutes	ja
FM 14	Public Policy Analysis: Agriculture and Food Policy	6	keine	Written exam, 90 minutes or oral exam, 30 minutes or term paper ca. 35,000 ces	ja
FM 15	Risk and Uncertainty in Science and Policy	6	keine	Term paper, ca. 30,000 ces	ja
FM 16	Environmental Management and Information Systems	6	keine	Term paper, ca. 30,000 ces	ja

FM 17	Land and Water Management	6	keine	Written exam, 90 minutes	ja
FM 18	Biodiversity and Conservation Management	6	keine	Group (max. 3 students per group) or individual term paper, ca. 30,000 ces	ja
FM 19	Climate and Energy Management	6	keine	Oral exam, based on the term paper, 30 minutes per group of 4	ja
FM 20	Integrative Fisheries Management	6	keine	Oral exam, 30 minutes	ja
FM 21	International Forest Use and Management	6	keine	Oral exam, 30 minutes	ja
FM 22	The Role of Gender for Sustainable Resource Management	6	keine	Term paper, ca. 45,000 ces	ja
FM 23	Project Management – Applied to Natural Resource-based Sectors and Development Programmes	6	keine	Oral exam, 15 minutes, based on tem paper	ja
FM 24	Studienprojekt/Study Project	12	keine/none	Schriftliche Hausarbeit ca. 30.000 ZoL, oder mündliche Prüfung, 30 Minuten je Studierendem/ Studierender Term paper, ca. 30,000 ces or oral exam, 30 minutes per student, and preparation	ja
Überfachlicher Wahlpflichtbereich (12 LP)					
	Module aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtungen der HU oder Module anderer Hochschulen nach freier Wahl	insgesamt 12	Die Module werden nach den Bestimmungen der anderen Fächer bzw. zentralen Einrichtungen abgeschlossen.		Die Module werden ohne Note berücksichtigt

Überfachlicher Wahlpflichtbereich für andere Masterstudiengänge

Nr. d. Moduls	Name des Moduls	LP des Moduls	Fachspezifische Zulassungs-voraussetzungen für die Prüfung	Form, Dauer/Bearbeitungszeit/Umfang, ggf. Sprache der Prüfung	Benotung
FM 9 (ÜF)	Economics of Agricultural and Rural Development	10	keine	Written exam, 90 minutes or oral exam, 30 minutes	nein