

UNOFFICIAL READING VERSION

VORLÄUFIGE LESEFASSUNG

Lebenswissenschaftliche Fakultät

**Fachspezifische Studien- und  
Prüfungsordnung für den  
Masterstudiengang Integrated Natural  
Resource Management**

# Fachspezifische Studienordnung für den Masterstudiengang „Integrated Natural Resource Management“

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 \_\_\_\_\_ die folgende Studienordnung erlassen\*:

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- § 2 Beginn des Studiums
- § 3 Ziele des Studiums
- § 4 Lehrveranstaltungsarten
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## § 1 Anwendungsbereich

Diese Studienordnung enthält die fachspezifischen Regelungen für den Masterstudiengang Integrated Natural Resource Management. Sie gilt in Verbindung mit der fachspezifischen Prüfungsordnung für den Masterstudiengang Integrated Natural Resource Management und der Fächerübergreifenden Satzung zur Regelung von Zulassung, Studium und Prüfung (ZSP-HU) in der jeweils geltenden Fassung.

## § 2 Beginn des Studiums

Das Studium kann zum Wintersemester aufgenommen werden. Ein Studium nach idealtypischem Studienverlaufsplan gemäß Anlage 3 ist nur möglich, wenn das Studium zum Wintersemester aufgenommen wird.

## § 3 Ziele des Studiums

(1) Die Studierenden erwerben profunde Kenntnisse zur Analyse von Problemen der Nachhaltigkeitstransformation und der Governance natürlicher Ressourcen. Die Absolventinnen und Absolventen können Strategien zum Umgang mit derartigen Problemen entwickeln. Sie wählen konkrete Wege der Operationalisierung von Forschung und begründen diese, wählen Forschungsmethoden aus

und begründen diese Auswahl, sie erläutern Forschungsergebnisse und interpretieren diese kritisch. Mit theoretischen Ansätzen der Governance sozial-ökologisch-technischer Systeme sind sie in der Lage, natur- und sozialwissenschaftliche Zusammenhänge kritisch einzuordnen, und sie mit sozial- und naturwissenschaftlichen und interdisziplinären Methoden zu untersuchen. Sie können souverän mit Expertinnen und Experten aus verschiedenen Fachdisziplinen und Weltregionen kooperieren. Die Absolventinnen und Absolventen werden kreative, selbständige und präzise arbeitende Analytinnen und Analysten. Sie können zur Umsetzung einer Transformation zur Nachhaltigkeit beitragen.

(2) Die Absolventinnen und Absolventen des Studiengangs werden befähigt, als Entscheiderinnen und Entscheider, Beraterinnen und Berater oder Mitarbeiterinnen und Mitarbeiter nationaler und internationaler zivilgesellschaftlicher Organisationen, Verbände, Behörden, Beratungsdienstleister und Unternehmen oder in der Wissenschaft zu arbeiten. Der erfolgreiche Abschluss des Studiengangs qualifiziert darüber hinaus für eine anschließende Promotion.

(3) Der Masterstudiengang Integrated Natural Resource Management fördert die Internationalität, da alle Module und Modulbestandteile in englischer Sprache unterrichtet werden sowie auch im Ausland absolviert werden können.

## § 4 Lehrveranstaltungsarten

Lehrveranstaltungsarten sind über die in der ZSP-HU benannten Lehrveranstaltungsarten hinaus auch Studienprojekte (SPJ). Studienprojekte dienen der Anwendung der im Studium erworbenen Kenntnisse und Fähigkeiten. Sie werden in diesem Studiengang grundsätzlich als Gruppenarbeit durchgeführt. Im Rahmen des Studienprojektes erproben die Studierenden anhand eines ausgewählten Themas die Methodik wissenschaftlichen Arbeitens. Sie erwerben Qualifikationen in der Darstellung wissenschaftlicher Erkenntnisse und in der interdisziplinären Zusammenarbeit.

## § 5 Module des Studiums

Der Masterstudiengang Integrated Natural Resource Management beinhaltet folgende Module im Umfang von insgesamt 120 LP:

\* Die Universitätsleitung hat die Studienordnung am \_\_\_\_\_ bestätigt.

(a) Pflichtbereich (70 LP)

EGAF CM 1: Transdisciplinary Research on Agriculture, Horticulture, Food and Natural Resources (10 LP)

INRM CM 1: Public Policy Analysis and Institutional Economics (10 LP)

INRM CM 2: Biophysical Systems (10 LP)

INRM CM 3: Study Project (10 LP)

INRM CM 4: Master thesis (30 LP)

(b) Fachlicher Wahlpflichtbereich (30 LP)

Wahlpflichtbereich 1 (10 LP):

Es ist eines der folgenden Module zu wählen:

INRM FM 1: Quantitative and Qualitative Methods (10 LP)

EGAF CM 3: Empirical Methods of Social and Economic Sciences (10 LP)

Möchten Studierende beide Module belegen, kann eines der beiden Module auch im Wahlpflichtbereich 2 eingebracht werden.

Wahlpflichtbereich 2 (20 LP):

Es sind zwei der folgenden Module zu wählen:

INRM FM 2: Environmental and Resource Economics (10 LP)

INRM FM 3: Natural Resource Management (10 LP)

INRM FM 4: Agricultural and Aquacultural Systems (10 LP)

INRM FM 5: Free Choice (10 LP)

EGAF FM 2: Development (10 LP)

EGAF FM 3: Governance and Policy (10 LP)

HoPla FM 8: Horticulture of the Future (10 LP)

MSc7: Specialization 2 (10 LP)

(c) Studienschwerpunkt Fischbiologie, Fischerei und Aquakultur (englisch „Fish Biology, Fisheries and Aquaculture“)

Absolvieren die Studierenden das Modul „INRM CM 3: Study Project“ sowie „INRM CM 4: Master thesis“ mit einem gewässer-, fisch- oder fischereibezogenen Thema und belegen zusätzlich die Module „INRM FM 1: Quantitative and Qualitative Methods“, „INRM FM 3: Natural Resource Management“ sowie „INRM FM 4: Agricultural and Aquacultural Systems“ mit jeweils mindestens einem gewässer-, fisch- oder fischereibezogenen Seminar, in der Summe 60 LP mit Schwerpunkt im Bereich Gewässer, Fischbiologie, Fischerei oder Aquakultur,

wird auf Antrag und nach Prüfung der Voraussetzungen eine separate Bestätigung gemäß § 8 der Prüfungsordnung ausgestellt, welche die fisch- und fischereibezogene Spezialisierung ausweist. Eines der drei Module INRM FM 1, INRM FM 3 oder INRM FM 4 kann durch ein Modul oder mehrere Module in einem Umfang von 10 LP aus dem überfachlichen Wahlpflichtbereich mit gewässer-, fisch- oder fischereibezogenem Inhalt substituiert werden.

(d) Überfachlicher Wahlpflichtbereich (20 LP)

Im überfachlichen Wahlpflichtbereich sind Mastermodule aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtungen im Umfang von insgesamt 20 LP nach freier Wahl zu absolvieren.

**§ 6 Module für den überfachlichen Wahlpflichtbereich anderer Masterstudiengänge**

Für den überfachlichen Wahlpflichtbereich anderer Masterstudiengänge werden folgende Module angeboten:

INRM CM 1: Public Policy Analysis and Institutional Economics (10 LP)

INRM FM 2: Environmental and Resource Economics (10 LP)

**§ 7 In-Kraft-Treten**

(1) Diese Studienordnung tritt mit Wirkung vom 1. Oktober 2026 in Kraft.

(2) Diese Studienordnung gilt für alle Studierenden, die ihr Studium nach dem In-Kraft-Treten dieser Studienordnung aufnehmen oder nach einem Hochschul-, Studiengangs- oder Studienfachwechsel oder einer Wiederimmatrikulation fortsetzen.

(3) Für Studierende, die ihr Studium vor dem In-Kraft-Treten dieser Studienordnung aufgenommen oder nach einem Hochschul-, Studiengangs- oder Studienfachwechsel oder einer Wiederimmatrikulation fortgesetzt haben, gilt die Studienordnung 15. September 2014 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014), zuletzt geändert am 14. März 2024 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 07/2024) übergangsweise fort. Alternativ können sie diese Studienordnung einschließlich der zugehörigen Prüfungsordnung wählen. Die Wahl muss schriftlich gegenüber dem Prüfungsbüro erklärt werden und ist unwiderruflich. Mit Ablauf des 30. September 2028 tritt die Studienordnung vom 15. September 2014 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014), zuletzt geändert am 28. Februar 2018 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 14/2018), außer Kraft. Das Studium wird dann auch von den in Satz 1 benannten Studierenden nach dieser Studienordnung fortgeführt. Bisherige Leistungen werden entsprechend § 110 ZSP-HU berücksichtigt.

### **Anlage 1: Modulbeschreibungen**

L = lecture, SE = seminar, SPJ = student project

The following modules of the curriculum are offered by other study programmes and are open to students of the Master's Programme Integrated Natural Resource Management. The module descriptions can be found in the study and examination regulations of the respective master's programmes.

#### **M.Sc. "Economics and Governance of Agriculture and Food" (EGAF)**

- EGAF CM 1: Transdisciplinary Research on Agriculture, Horticulture, Food and Natural Resources (10 credits)
- EGAF CM 3: Empirical Methods of Social and Economic Sciences (10 credits)
- EGAF FM 2: Development (10 credits)
- EGAF FM 3: Governance and Policy (10 credits)

#### **M.Sc. "Horticultural and Plant Sciences" (HoPla)**

- HoPla FM 8: Horticulture of the Future (10 credits)

#### **M.Sc. "Global Change Geography"**

- MSc7: Specialization 2 (10 credits)

The **language of teaching** in all modules is English. Special working tasks and examinations are completed in English.

The **examinations** mentioned in the following module descriptions can be conducted as face-to-face examinations, digital face-to-face examinations according to § 96b Abs. 2 ZSP-HU or digital distance examinations according to § 96b Abs. 3 ZSP-HU. The examiners decide on the form of execution.

If **alternative forms of examination** are specified in the module descriptions, the examiners determine the form of examination and inform the students of this at the beginning of the lecture period.

**Compulsory modules:**

<b>INRM CM 1: Public Policy Analysis and Institutional Economics (PIE)</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives: Based on the achieved scientific knowledge and methods, students are able to independently work on and present scientific topics. After successful completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>• Engage in interdisciplinary collaboration in economics and political science</li> <li>• Present and assess fundamental concepts from institutional economics and microeconomics</li> <li>• Apply analytical tools from institutional economics</li> <li>• Describe basic concepts of public policy analysis related to issues in agriculture and food policy or related to the governance of natural resources;</li> <li>• Critically assess academic and practical arguments about agricultural and food policy or public policy related to the governance of natural resources;</li> <li>• Apply the concepts from the course to analyse current problems in agricultural and food policy or in natural resource policy;</li> <li>• Develop solutions to public policy issues regarding agriculture and food or the governance of natural resources, based on the concepts and content from the course.</li> </ul> <p><u>The module must be studied as follows:</u> L 1 and SE 1 must be taken by INRM students and EGAF students. L 2 and SE 2 are recommended for INRM students. L 3 and SE 3 are recommended for EGAF students. Please note: Course pairs consisting of a lecture and a seminar with the same numbering must always be taken (L 1 + SE 1 and/or L 2 + SE 2 and/or L 3 + SE 3). It is not possible to combine the lectures and seminars in another way.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
L 1 Institutional Economics	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Fundamental concepts and theories of institutional economics, microeconomics and political economy</li> <li>• Basic methods for institutional and microeconomics</li> </ul>
L 2 Public Policy Analysis for the Governance of Natural Resources	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Key concepts and approaches in public policy analysis</li> <li>• Theories of political institutions, the policy process and policy design</li> <li>• Analysis of exemplary issues in natural resource policy</li> </ul>
L 3 Public Policy Analysis: Agricultural and Food Policy	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Key concepts and approaches in public policy analysis</li> <li>• The institutional framework of agricultural and food policy</li> <li>• The agricultural policy process</li> <li>• Agricultural and food policy discourses</li> <li>• Analysis of exemplary issues in market and price policy, structural and rural policy</li> </ul>

SE 1 Institutional Economics	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours prepara- tion and learning	2 credits, partici- pation	<ul style="list-style-type: none"> <li>Exercising the application of methods and analytical tools</li> <li>Critical assessment of theories</li> </ul>
SE 2 Public Policy Analysis for the Governance of Natural Re- sources	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours prepara- tion and learning	2 credits, partici- pation	<ul style="list-style-type: none"> <li>Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures</li> </ul>
SE 3 Public Policy Analysis: Agri- cultural and Food Policy	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours prepara- tion and learning	2 credits, partici- pation	<ul style="list-style-type: none"> <li>Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures</li> </ul>
Final exam	<u>60 hours</u> Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes) and preparation	2 credits, pass	The examination can be taken as group work except written exam. The lecturers decide on the possibility of group work.
Duration of module	<input checked="" type="checkbox"/> 1 semester <input type="checkbox"/> 2 semesters		
Start of module	<input checked="" type="checkbox"/> winter semester <input type="checkbox"/> summer semester		
Applicability of module	M.Sc. Integrated Natural Resource Management, M.Sc. Economics and Governance of Agriculture and Food		

<b>INRM CM 2: Biophysical Systems (BIPS)</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives:                  Students obtain or deepen knowledge on approaches from natural science that are needed for natural resource management. They obtain an overview of several bio-physical factors (selected from plant physiology, water, soils, climate, pathogens and ecology, or similar).                  They are able to explain and reflect natural science approaches, put the knowledge in a systems-oriented relation and apply the concepts to real-world cases.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
L	<u>4 SWS</u>  <u>120 hours</u> 45 hours presence in class, 75 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Introduction and basics to the selected bio-physical factors</li> <li>• Synthesis of bio-physical factors from a systems perspective</li> <li>• Methodical approaches of ecosystem analyses and assessment to food security and ecology</li> </ul>
SE	<u>2 SWS</u>  <u>120 hours</u> 25 hours presence in class, 95 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Case studies to apply the concepts and methods from the lecture (possibly including excursions)</li> <li>• Exercising the systems view on bio-physical systems</li> </ul>
Final exam	<u>60 hours</u> Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes) and preparation	2 credits, pass	The examination can be taken as group work except written exam. The lecturers decide on the possibility of group work.
Duration of module	<input checked="" type="checkbox"/> 1 semester <span style="margin-left: 150px;"><input type="checkbox"/> 2 semesters</span>		
Start of module	<input checked="" type="checkbox"/> winter semester <span style="margin-left: 150px;"><input type="checkbox"/> summer semester</span>		
Applicability of module	M.Sc. Integrated Natural Resource Management		

<b>INRM CM 3: Study Project (SPJ)</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives: Based on the achieved scientific knowledge and methods, students are able to independently work on and present scientific topics. They can use their scientific skills and obtain new knowledge in order to analyse and solve new problems, and reflect on their work in a broader interdisciplinary and societal context. In particular, they are able to:</p> <ul style="list-style-type: none"> <li>• describe a scientific or societal problem, either self-chosen or handed out by the instructor,</li> <li>• analyse the problem, and develop an approach for its solution,</li> <li>• reflect, present and discuss the obtained results.</li> </ul> <p>Specific topics for study projects will be announced before the semester starts.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
SPJ	<u>4 SWS</u>  <u>120 hours</u> 45 hours presence in class, 75 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Individual or group work on a scientific topic, related to the spectrum of modules of this programme (possibly including excursions)</li> <li>• 15 weeks of work</li> </ul>
SE	<u>2 SWS</u>  <u>120 hours</u> 25 hours presence in class, 95 hours preparation and learning	4 credits, participation	Development and discussion of the student projects.
Final exam	<u>60 hours</u> Project report and presentation: project report as a group (about 15.000 characters including spaces) and presentation as a group (about 15 minutes) and preparation	2 credits, pass	
Duration of module	<input checked="" type="checkbox"/> 1 semester <span style="margin-left: 150px;"><input type="checkbox"/> 2 semesters</span>		
Start of module	<input checked="" type="checkbox"/> winter semester <span style="margin-left: 100px;"><input checked="" type="checkbox"/> summer semester</span>		
Applicability of module	M.Sc. Integrated Natural Resource Management		

<b>INRM CM 4: Master thesis</b>		Credits: 30 <b>Total workload: 900 hours</b>	
<p>Learning objectives: Students understand the concepts, methods and challenges to address complex research questions and write a complex research paper. Students are able to:</p> <ul style="list-style-type: none"> <li>• formulate a clear research question/set of research questions.</li> <li>• review the relevant scientific literature to clarify the basic concepts and prerequisites for the analysis as well as the research gap.</li> <li>• develop a research design suitable for effectively addressing the research question/s.</li> <li>• apply relevant theories and methods to effectively address the research question/s.</li> <li>• demonstrate and apply their knowledge of the formal requirements for preparing a scientific thesis.</li> <li>• structure a complex written text, write in clear language and develop logical lines of arguments.</li> <li>• critically reflect on the implications and limitations of own research findings.</li> <li>• orally present and discuss research findings.</li> </ul>			
<p>Preconditions: Passing of compulsory modules EGAF CM 1, INRM CM 1 and INRM CM 2 and passing of compulsory elective area 1 (IMRM FM 1 or EGAF CM 3)</p>			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
Master thesis	<p><u>900 hours</u></p> <p>Master thesis (about 90.000 - 180.000 characters including spaces, about 50 - 100 pages) and preparation</p> <p>Processing time: 24 weeks</p> <p>Oral defence, 60 minutes (20 minutes presentation, 40 minutes discussion).</p>	30 credits	The grade for the written part and the grade for the defence are weighted at a ratio of 50% : 50%
Duration of module	<input checked="" type="checkbox"/> 1 semester <input type="checkbox"/> 2 semesters		
Start of module	<input checked="" type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester		

**Focal modules / Compulsory elective modules:**

**Guidelines for seminar attendance in the compulsory elective modules and in the free choice module:**

If students attend more than two seminars within a compulsory elective module, these seminars are included in the compulsory elective module in chronological order (semester of attendance). Additional seminars can be included in the free choice module in chronological order (semester of enrolment), if the corresponding special workload (5 credits) has been completed in accordance with the module description.

If students take more than two seminars within a compulsory elective module within the same semester, the Examinations Office must be informed which seminars are to be included in the compulsory elective module and which seminars are to be included in the free choice module. This notification must be made in writing to the Examinations Office and is irrevocable.

It is not permitted to transfer surplus seminars to the interdisciplinary compulsory elective area (üWP).

<b>INRM FM 1: Quantitative and Qualitative Methods (QQM)</b>			Credits: 10 <b>Total workload: 300 hours</b>
<p>Learning objectives: Students broaden and deepen their methodological skills. Based on the acquired methodological knowledge, students are able to independently design or apply a simulation, or an econometric study, or an experiment, or a survey, or a qualitative analysis, or a case study method, or another method. They are able to collect, evaluate, present and interpret scientific data. They are able specifically to:</p> <ul style="list-style-type: none"> <li>• Understand the fundamental assumptions and approaches underlying two scientific methods</li> <li>• Apply the two methods to study a research question</li> <li>• Reflect on the strengths and weaknesses of the application</li> <li>• Critically assess the quality of publications</li> <li>• Apply the criteria of good scientific practice</li> </ul> <p>This is a seminaristic module. Students chose two seminars from those offered in a semester.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
SE 1	<u>3 SWS</u> <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Fundamental and state-of-the-art aspects of one method (e.g. a quantitative method)</li> <li>• Hands-on-exercises with the method</li> <li>• Application of the method to at least one example</li> <li>• Description of method</li> <li>• Interpretation and discussion of results</li> </ul>
SE 2	<u>3 SWS</u> <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Fundamental and state-of-the-art aspects of one method (e.g. a qualitative method)</li> <li>• Hands-on-exercises with the method</li> <li>• Application of the method to at least one example</li> <li>• Description of method</li> <li>• Interpretation and discussion of results</li> </ul>

Final exam	<u>60 hours</u> Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes) and preparation	2 credits, pass	The examination can be taken as group work except written exam. The lecturers decide on the possibility of group work.
Duration of module	<input checked="" type="checkbox"/> 1 semester <input type="checkbox"/> 2 semesters		
Start of module	<input checked="" type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester		
Applicability of module	M.Sc. Integrated Natural Resource Management, M.Sc. Economy and Governance of Agriculture and Food, M.Sc. Horticultural and Plant Sciences		

<b>INRM FM 2: Environmental and Resource Economics (ERE)</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives: Based on the achieved scientific knowledge and methods, students are able to independently work on and present scientific topics. They are able to:</p> <ul style="list-style-type: none"> <li>• present and assess fundamental concepts from environmental and resource economics and the institutional analysis of social-ecological-technical systems</li> <li>• apply analytical tools from environmental and resource economics and institutional analysis</li> <li>• develop scientific argumentations and apply theoretical knowledge to real-world cases</li> </ul> <p>This is a seminaristic module. Students chose two seminars from those offered in a semester.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
SE 1	<u>3 SWS</u>  <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Fundamental concepts, seminal and up-to date literature on environmental and resource economics.</li> <li>• Resource economics methods.</li> </ul>
SE 2	<u>3 SWS</u>  <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Fundamental concepts, seminal and up-to date literature on institutional arrangements to deal with environmental and resource problems.</li> <li>• Application and critical assessment of frameworks and theories.</li> </ul>
Final exam	<u>60 hours</u> Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes) and preparation	2 credits, pass	The examination can be taken as group work except written exam. The lecturers decide on the possibility of group work.
Duration of module	<input checked="" type="checkbox"/> 1 semester <span style="margin-left: 150px;"><input type="checkbox"/> 2 semesters</span>		
Start of module	<input type="checkbox"/> winter semester <span style="margin-left: 150px;"><input checked="" type="checkbox"/> summer semester</span>		
Applicability of module	M.Sc. Integrated Natural Resource Management, M.Sc. Economics and Governance of Agriculture and Food		

<b>INRM FM 3: Natural Resource Management (NRM)</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives: Based on the achieved scientific knowledge and methods, students are able to independently work on and present scientific topics. They are able to:</p> <ul style="list-style-type: none"> <li>• explain and present core knowledge on selected natural resources or ecosystem services (e.g. agricultural land, water, energy, climate, fish stocks, biodiversity, forests, soils)</li> <li>• critically assess problems of and approaches to natural resource management</li> <li>• apply analytical tools from social or natural sciences</li> <li>• productively collaborate on natural resource management in an interdisciplinary way</li> </ul> <p>This is a seminaristic module. Students chose two seminars from those offered in a semester.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
SE 1	<u>3 SWS</u> <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Seminal and up-to date literature on the selected natural resources or ecosystem services (e.g. agricultural land, water, energy, climate).</li> <li>• Application of concepts and analytical tools from social and natural sciences and interdisciplinary research to manage natural resources (possibly including excursions).</li> </ul>
SE 2	<u>3 SWS</u> <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	<ul style="list-style-type: none"> <li>• Seminal and up-to date literature on the selected ecosystem services or natural resources (e.g. biodiversity, fish stocks, forests, soils).</li> <li>• Application of concepts and analytical tools from social and natural sciences and interdisciplinary research to manage natural resources (possibly including excursions).</li> </ul>
Final exam	<u>60 hours</u> Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes) and preparation	2 credits, pass	The examination can be taken as group work except written exam. The lecturers decide on the possibility of group work.
Duration of module	<input checked="" type="checkbox"/> 1 semester <input type="checkbox"/> 2 semesters		
Start of module	<input type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester		
Applicability of module	M.Sc. Integrated Natural Resource Management		

<b>INRM FM 4: Agricultural and Aquacultural Systems (AASY)</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives: Based on the achieved scientific knowledge and methods, students are able to independently work on and present scientific topics. They are able to:</p> <ul style="list-style-type: none"> <li>• explain the functioning of exemplary types food production (e.g. animal husbandry, fisheries, crops)</li> <li>• analyse sustainable agricultural or fish production from a systems perspective, (e.g. animal welfare, plant/animal nutrition or health)</li> <li>• describe the connection between agricultural/aquacultural systems and food security</li> </ul> <p>This is a seminaristic module. Students chose two seminars from those offered in a semester.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, Content
SE 1	<u>3 SWS</u>  <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	Selected topics from research on agricultural or aquacultural systems; Preparation and presentation of selected articles from the original literature; Critical analysis and discussion of the content (possibly including excursions)
SE 2	<u>3 SWS</u>  <u>120 hours</u> 35 hours presence in class, 85 hours preparation and learning	4 credits, participation	Current topics in agricultural or aquacultural systems; Preparation and presentation of selected articles from the original literature; Critical analysis and discussion of the content (possibly including excursions)
Final exam	<u>60 hours</u> Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes) and preparation	2 credits, pass	The examination can be taken as group work except written exam. The lecturers decide on the possibility of group work.
Duration of module	<input checked="" type="checkbox"/> 1 semester <span style="margin-left: 150px;"><input type="checkbox"/> 2 semesters</span>		
Start of module	<input checked="" type="checkbox"/> winter semester <span style="margin-left: 150px;"><input type="checkbox"/> summer semester</span>		
Applicability of module	M.Sc. Integrated Natural Resource Management		

<b>INRM FM 5: Free Choice</b>		Credits: 10 <b>Total workload: 300 hours</b>	
<p>Learning objectives: Students understand selected theories, methods and applications in environmental and natural resource management.</p> <p>Students are able to:</p> <ul style="list-style-type: none"> <li>• apply selected theories and methods in the field of environmental and natural resource management to real world problems/situations of enterprises, development processes, governance and policy challenges.</li> <li>• critically reflect strengths and weaknesses of different theories, methods and analyses in natural resource management.</li> </ul> <p>This is a seminaristic module. Students can choose any seminars from the compulsory elective area which they have not yet completed. Seminars from the compulsory elective area that have already been completed cannot be exchanged as part of the free choice module. It is not permitted to take the same course twice, even if it is offered on a different topic.</p>			
Preconditions: none			
Teaching formats	Hours per week, workload in hours	Credits and preconditions for granting	Topics, Content
SE 1	<u>3 SWS</u>  <u>150 hours</u> 35 hours presence in class, 115 hours preparation and learning and special working task	5 credits, participation and special working task according to annex 2	Theory and application of selected theories and methods in natural resource management. Critical reflection of the strengths and weaknesses of different theories, methods and analyses in the field of natural resource management.
SE 2	<u>3 SWS</u>  <u>150 hours</u> 35 hours presence in class, 115 hours preparation and learning and special working task	5 credits, participation and special working task according to annex 2	Theory and application of selected theories and methods for environmental problems. Critical reflection of the strengths and weaknesses of different theories, methods and analyses of environmental problems.
Final exam	none		
Duration of module	<input checked="" type="checkbox"/> 1 semester <input type="checkbox"/> 2 semesters		
Start of module	<input checked="" type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester		
Applicability of module	M.Sc. Integrated Natural Resource Management		

## **Anlage 2: Übersicht über die speziellen Arbeitsleistungen**

### **Special working task (corresponds to 3 credits):**

- Preparation of an elaborated performance (e.g. presentation, lecture, written homework), if necessary including presentation during the attendance time or
- Literature study, including a test during attendance time (e.g. oral quiz, multiple-choice tests) or outside attendance time (e.g. answering study questions) or
- Project work in individual or group work, including presentation or documentation in report form or
- Practical exercises as part of the course

Scope: written work (up to 18.000 characters including spaces), oral work or practical exercises (up to 25 minutes or up to 35 minutes as a group). Written assignments can be divided into several individual assignments as long as the total length remains within the specified framework. If special working tasks are completed in group work, the individual work must be recognisable as such and correspond to the required scope.

**Language:** Special working tasks are completed in English.

**Anlage 3: Idealtypischer Studienverlaufsplan<sup>1</sup>**

Here you will find a distribution of the modules over the semesters, which corresponds to an ideal, but not obligatory course of study. Studying according to this study plan is only possible if the study programme is taken up in the winter semester.

No.	Module title	1st semester winter term	2nd semester summer term	3rd semester winter term	4th semester summer term
<b>Compulsory modules (70 credits)</b>					
EGAF CM 1	Transdisciplinary Research on Agriculture, Horticulture, Food and Natural Resources	4 hours/week 10 credits			
INRM CM 1	Public Policy Analysis and Institutional Economics (PIE)	6 hours/week 10 credits			
INRM CM 2	Biophysical Systems (BIPS)	6 hours/week 10 credits			
INRM CM 3	Study Project (SPJ)			6 hours/week 10 credits	
INRM CM 4	Master thesis				30 credits
<b>Compulsory elective area 1 (10 credits)<sup>2</sup></b>					
INRM FM 1 or EGAF CM 3			6 hours/week 10 credits		
<b>Compulsory elective area 2 (20 credits)</b>					
INRM FM 2, INRM FM 3, EGAF FM 3, HoPla FM 8, MSc7, INRM FM 5			6 hours/week 10 credits		
INRM FM 1, INRM FM 4, INRM FM 5, EGAF FM 2, MSc7				4 – 6 hours/week 10 credits	
<b>Interdisciplinary elective area (üWP, 20 credits)</b>					
üWP			10 credits	10 credits	
Total hours/week credits per semester		16 hours/week 30 credits	12 hours/week plus üWP 30 credits	10 – 12 hours/week plus üWP 30 credits	30 credits

<sup>1</sup> The 2nd and 3rd semester are particularly suitable for studying at a university abroad. To simplify the recognition of the coursework and examinations completed at the foreign university, it is strongly recommended to settle a learning agreement in advance to the studies abroad.

<sup>2</sup> Courses in modules INRM FM 1, INRM FM 5, MSc7 are offered in the winter and summer terms.

# Fachspezifische Prüfungsordnung

## für den Masterstudiengang „Integrated Natural Resource Management“

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 \_\_\_\_\_ die folgende Prüfungsordnung erlassen\*:

- § 1 Anwendungsbereich
- § 2 Regelstudienzeit
- § 3 Prüfungsausschuss
- § 4 Modulabschlussprüfungen
- § 5 Freiversuche
- § 6 Masterarbeit
- § 7 Abschlussnote
- § 8 Bestätigung für den Studienschwerpunkt  
Fischbiologie, Fischerei und Aquakultur
- § 9 Akademischer Grad
- § 10 In-Kraft-Treten

**Anlage:** Übersicht über die Prüfungen

### § 1 Anwendungsbereich

Diese Prüfungsordnung enthält die fachspezifischen Regelungen für den Masterstudiengang Integrated Natural Resource Management. Sie gilt in Verbindung mit der fachspezifischen Studienordnung für den Masterstudiengang Integrated Natural Resource Management und der Fächerübergreifenden Satzung zur Regelung von Zulassung, Studium und Prüfung (ZSP-HU) in der jeweils geltenden Fassung.

### § 2 Regelstudienzeit

Der Masterstudiengang Integrated Natural Resource Management hat eine Regelstudienzeit von vier Semestern.

### § 3 Prüfungsausschuss

Für die Prüfungsangelegenheiten des Masterstudienganges Integrated Natural Resource Management ist der Prüfungsausschuss des Thaeer-Instituts für Agrar- und Gartenbauwissenschaften zuständig.

### § 4 Modulabschlussprüfungen

(1) Modulabschlussprüfungen können über die in der ZSP-HU bestimmten Formen hinaus auch als Projektbericht und Präsentation abgenommen werden:

Studierende erstellen gemeinsam in einer Arbeitsgruppe einen Projektbericht (15.000 Zeichen inkl. Leerzeichen), der anschließend in der Gruppe präsentiert (15 Minuten) und im Gesamten bestanden und benotet wird.

(2) Mündliche Modulabschlussprüfungen werden in Anwesenheit einer sachkundigen Beisitzerin oder eines sachkundigen Beisitzers abgenommen, soweit nicht nach Maßgabe der ZSP-HU zwei Prüferinnen und Prüfer bestellt werden. Die Beisitzerin oder der Beisitzer beobachtet und protokolliert die Prüfung. Sie oder er beteiligt sich nicht am Prüfungsgespräch und der Bewertung.

### § 5 Freiversuche

(1) Bestandene Modulabschlussprüfungen, die innerhalb der Regelstudienzeit angemeldet werden, können zum Zwecke der Notenverbesserung einmal wiederholt werden.

(2) Die Möglichkeit nach Abs. 1 ist auf drei Module begrenzt.

### § 6 Masterarbeit

(1) Die Masterarbeit kann in deutscher oder englischer Sprache verfasst werden.

(2) Bestandene Masterarbeiten sind zu verteidigen.

(2) Bei der Berechnung der Note der Masterarbeit werden die Note für den schriftlichen Teil und die Note für die Verteidigung im Verhältnis 50 % : 50 % gewichtet.

### § 7 Abschlussnote

(1) Die Abschlussnote des Masterstudienganges Integrated Natural Resource Management wird aus den Noten der Modulabschlussprüfungen und der Note des Abschlussmoduls, gewichtet nach den gemäß Anlage für die Module ausgewiesenen Leistungspunkten, berechnet.

(2) Modulabschlussprüfungen, die nicht benotet werden oder im Rahmen einer Anrechnung mangels vergleichbarer Notensysteme lediglich als „bestanden“ ausgewiesen werden, sowie die für die entsprechenden Module ausgewiesenen Leistungspunkte werden bei den Berechnungen nach Abs. 1 nicht berücksichtigt.

\* Die Universitätsleitung hat die Prüfungsordnung am \_\_\_\_ bestätigt.

(3) Wird im fachlichen Wahlpflichtbereich 2 das Modul „INRM FM5: Free Choice“ belegt, wird dieses Modul ohne Prüfung abgeschlossen. Wird im fachlichen Wahlpflichtbereich 2 das Modul INRM FM 5 nicht belegt, wird von den zwei absolvierten Wahlpflichtmodulen das Modul mit der schlechteren Bewertung nicht für die Berechnung der Abschlussnote berücksichtigt.

(4) Werden mehr Module absolviert, als diejenigen, die gemäß der Studienordnung zur Erreichung des Studienabschlusses notwendig sind, bleiben diese Module unberücksichtigt. Entscheidend für die Berücksichtigung der Module ist die zeitliche Reihenfolge der Prüfungstermine (Datum und Uhrzeit) der bestandenen Modulabschlussprüfungen.

### **§ 8 Bestätigung für den Studienschwerpunkt Fischbiologie, Fischerei und Aquakultur**

(1) Studierende, die die Module gemäß § 5 lit. c der Studienordnung absolviert haben, können auf Antrag und nach Prüfung der Voraussetzungen eine Bestätigung für den Studienschwerpunkt Fischbiologie, Fischerei und Aquakultur (englisch „Fish Biology, Fisheries and Aquaculture“) erhalten.

(2) Die Bestätigung weist die fisch- und fischereibezogene Spezialisierung anhand der Gesamtzahl der Leistungspunkte aus.

(3) Der Antrag auf Erteilung der Bestätigung ist an das zuständige Prüfungsbüro zu richten. Die Erteilung obliegt dem Prüfungsausschuss des Thaeer-Instituts für Agrar- und Gartenbauwissenschaften.

### **§ 9 Akademischer Grad**

Wer den Masterstudiengang Integrated Natural Resource Management erfolgreich abgeschlossen hat, erlangt den akademischen Grad „Master of Science“ (abgekürzt „M.Sc.“).

### **§ 10 In-Kraft-Treten**

(1) Diese Prüfungsordnung tritt mit Wirkung vom 1. Oktober 2026 in Kraft.

(2) Diese Prüfungsordnung gilt für alle Studierenden, die ihr Studium nach dem In-Kraft-Treten dieser Prüfungsordnung aufnehmen oder nach einem Hochschul-, Studiengangs- oder Studienfachwechsel oder einer Wiederimmatrikulation fortsetzen.

(3) Für Studierende, die ihr Studium vor dem In-Kraft-Treten dieser Prüfungsordnung aufgenommen oder nach einem Hochschul-, Studiengangs- oder Studienfachwechsel oder einer Wiederimmatrikulation fortgesetzt haben, gilt die Prüfungsordnung vom 15. September 2014 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014), zuletzt geändert am 14. März 2024 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 07/2024), übergangsweise fort. Alternativ können sie diese Prüfungsordnung einschließlich der zugehörigen Studienordnung wählen. Die Wahl

muss schriftlich gegenüber dem Prüfungsbüro erklärt werden und ist unwiderruflich. Mit Ablauf des 30. September 2028 tritt die Prüfungsordnung vom 15. September 2014 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 89/2014), zuletzt geändert am 14. März 2024 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 07/2024), außer Kraft. Das Studium wird dann auch von den in Satz 1 benannten Studierenden nach dieser Prüfungsordnung fortgeführt. Bisherige Leistungen werden entsprechend § 110 ZSP-HU berücksichtigt.

**Anlage: Übersicht über die Prüfungen**

**Masterstudiengang Integrated Natural Resource Management (Master's Programme Integrated Natural Resource Management)**

The following modules of the curriculum are offered by other study programmes and are open to students of the Master's Programme Integrated Natural Resource Management.

**M.Sc. "Economics and Governance of Agriculture and Food"**

- EGAF CM 1: Transdisciplinary Research on Agriculture, Horticulture, Food and Natural Resources (10 credits)
- EGAF CM 3: Empirical Methods of Social and Economic Sciences (10 credits)
- EGAF FM 2: Development (10 credits)
- EGAF FM 3: Governance and Policy (10 credits)

**M.Sc. "Horticultural and Plant Sciences"**

- HoPla FM 8: Horticulture of the Future (10 credits)

**M.Sc. "Global Change Geography"**

- MSc7: Specialization 2 (10 credits)

The **examinations** mentioned in the following overview of the examinations can be conducted as face-to-face examinations, digital face-to-face examinations according to § 96b Abs. 2 ZSP-HU or digital distance examinations according to § 96b Abs. 3 ZSP-HU. The examiners decide on the form of execution.

If **alternative forms of examination** are specified in the overview of the examinations, the examiners determine the form of examination and inform the students of this at the beginning of the lecture period.

No. of module	Title of module	Credits	Subject-specific admission requirements for the examination	Form, duration/processing time/scope, if applicable language of the examination within the meaning of § 108 Para. 2 ZSP-HU <sup>1</sup>	Grading
<b>Compulsory modules (70 credits)</b>					
EGAF CM 1	Transdisciplinary Research on Agriculture, Horticulture, Food and Natural Resources	10	In accordance with the annex to the examination regulations for the Master's degree programme in Economics and Governance of Agriculture and Food in the currently valid version.		
INRM CM 1	Public Policy Analysis and Institutional Economics	10	none	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
INRM CM 2	Biophysical Systems	10	none	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
INRM CM 3	Study Project	10	none	Project report and presentation: project report as a group (about 15.000 characters including spaces) and presentation as a group (about 15 minutes)	yes
INRM CM 4	Master thesis	30	Passing of compulsory modules EGAF CM 1, INRM CM 1 and INRM CM 2 and passing of compulsory elective area 1 (IMRM FM 1 or EGAF CM 3)	Master thesis (about 90.000 - 180.000 characters including spaces, about 50- 100 pages), processing time: 24 weeks Oral defence, 60 minutes (20 minutes presentation, 40 minutes discussion). The grade for the written part and the grade for the defence are weighted at a ratio of 50 % : 50 %. The master's thesis can be completed in either German or English.	Yes
<b>Compulsory elective area 1 (10 credits)</b>					
INRM FM 1	Quantitative and Qualitative Methods	10	none	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
EGAF CM 3	Empirical Methods of Social and Economic Sciences	10	In accordance with the annex to the examination regulations for the Master's degree programme in Economics and Governance of Agriculture and Food in the currently valid version.		

<sup>1</sup> Examination language: All examinations are completed in English. The master's thesis can be completed in either German or English.

<b>Compulsory elective area 2 (20 credits)</b>					
INRM FM 2	Environmental and Resource Economics	10	none	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
INRM FM 3	Natural Resource Management	10	none	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
INRM FM 4	Agricultural and Aquacultural Systems	10	none	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
INRM FM 5	Free Choice	10	This module is completed without a final exam.		
EGAF FM 2	Development	10	In accordance with the annex to the examination regulations for the Master's degree programme in Economics and Governance of Agriculture and Food in the currently valid version.		
EGAF FM 3	Governance and Policy	10	In accordance with the annex to the examination regulations for the Master's degree programme in Economics and Governance of Agriculture and Food in the currently valid version.		
HoPla FM 8	Horticulture of the Future	10	In accordance with the annex to the examination regulations for the Master's degree programme in Horticultural and Plant Sciences in the currently valid version.		
MSc 7	Specialization 2	10	In accordance with the annex to the examination regulations for the Master's degree programme in Global Change Geography in the currently valid version.		
<b>Interdisciplinary elective modules (20 credits)</b>					
ÜWP	In the interdisciplinary elective area, master modules from the module catalogues of other subjects or central institutions provided for this purpose are to be completed at the student's own choice.	total 20	The modules are completed in accordance with the regulations of the other subjects or central institutions. The Examination Board of the Thae Institute of Agricultural and Horticultural Sciences decides on the consideration of achievements.		No

**Interdisciplinary elective modules open to other Master's programmes**

<b>No.</b>	<b>Title of module</b>	<b>Credits</b>	<b>Subject-specific admission requirements for the examination</b>	<b>Form, duration/processing time/scope, if applicable language of the examination within the meaning of § 108 Para. 2 ZSP-HU</b>	<b>Grading</b>
INRM CM 1	Public Policy Analysis and Institutional Economics	10	None	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes
INRM FM 2	Environmental and Resource Economics	10	None	Written exam (90 minutes) or oral exam (30 minutes) or term paper (about 30.000 characters including spaces, 16 pages) or multimedia exam (40 minutes)	Yes

