

# Fachspezifische Studienordnung für den Masterstudiengang "Agricultural Economics"

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 folgende Studienordnung erlassen\*:

- § 1 Anwendungsbereich
- § 2 Beginn des Studiums
- § 3 Ziele des Studiums
- § 4 Lehrveranstaltungsarten
- § 5 Module des Studiums
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**Anlage 1:** Modulbeschreibungen

**Anlage 2:** Idealtypischer Studienverlaufsplan

## § 1 Anwendungsbereich

Diese Studienordnung enthält die fachspezifischen Regelungen für den Masterstudiengang Agricultural Economics. Sie gilt in Verbindung mit der fachspezifischen Prüfungsordnung für den Masterstudiengang Agricultural Economics 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 dem Studienverlaufsplan gemäß Anlage 2 ist nur möglich, wenn das Studium zum Wintersemester aufgenommen wird.

## § 3 Ziele des Studiums

(1) Ziel des Masterstudiums als zweitem berufsqualifizierendem Abschluss für das Gebiet der Agricultural Economics ist es, auf die berufliche Tätigkeit vorzubereiten bzw. die Basis für eine Promotion zu legen.

(2) Nach erfolgreichem Studienabschluss sind die Absolventinnen und Absolventen befähigt, einen

gezielten Beitrag zur Lösung wirtschaftlicher und sozialer Herausforderungen in der Entwicklung und Steuerung nachhaltiger Landnutzungs- und Ernährungssysteme, zur ländlichen Entwicklung und Ernährungssicherung und zum Schutz natürlicher Ressourcen zu leisten. Sie sind in der Lage, Spezialkenntnisse aus den Wirtschafts- und Sozialwissenschaften des Landbaus mit bestehenden Fachkenntnissen aus den Pflanzenbauwissenschaften, den Nutztierwissenschaften und anderen verwandten Bereichen interdisziplinär zu verbinden.

(3) Mit dem Masterstudium haben die Studierenden die fachlichen, methodischen und sozialen Kompetenzen erworben, die für wissenschaftliches Arbeiten unabdingbar sind. Sie haben Kreativität, Innovationsbereitschaft und Verantwortungsbewusstsein unter Beweis gestellt.

(4) Die Studierenden haben die für ein breites und sich ständig wandelndes Berufsfeld erforderlichen überfachlichen Schlüsselqualifikationen erworben. Einsatzmöglichkeiten für Alumni bestehen in der Agrar-, Ernährungs- und Umweltwirtschaft, in Behörden und internationalen Organisationen, im Dienstleistungssektor sowie in der Forschung. Die Studierenden können das erworbene Wissen kritisch einordnen, bewerten und vermitteln. Zu lebenslangem Lernen und zur Teamarbeit sind sie befähigt.

(5) Alle Pflichtmodule werden in englischer Sprache angeboten. Einige Module aus dem Wahlpflichtbereich werden in deutscher Sprache angeboten. Die Module sind entsprechend gekennzeichnet.

(6) Der Masterstudiengang Agricultural Economics eröffnet die Möglichkeit, an Forschungs- und Entwicklungsprojekten mitzuwirken.

## § 4 Lehrveranstaltungsarten

(1) Lehrveranstaltungsarten sind über die in der ZSP-HU benannten Lehrveranstaltungsarten hinaus auch Studienprojekte.

(2) Das Studienprojekt (SPJ) wird im zweiten oder dritten Semester individuell oder als Gruppenarbeit durchgeführt. Im Rahmen des Studienprojektes erproben die Studierenden anhand eines ausgewählten Themas die Methodik wissenschaftlichen Forschens. Sie erwerben zusätzliche Qualifikationen in der Darstellung wissenschaftlicher Er-

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

kenntnisse und in der interdisziplinären Zusammenarbeit.

## § 5 Module des Studiums

Der Masterstudiengang beinhaltet folgende Module im Umfang von insgesamt 120 Leistungspunkten (LP):

### (a) Pflichtbereich (60 LP)

Der Pflichtbereich umfasst folgende fünf Pflichtmodule im Gesamtvolumen von 30 LP sowie die Masterarbeit im Umfang von 30 LP:

- CM 1: Institutional Economics and Political Economy (6 LP)
- CM 2: Public Policy Analysis: Agriculture and Food Policy (6 LP)
- CM 3: Microeconomics: Theory and Policy Analysis (6 LP)
- CM 4: Econometrics (6 LP)
- CM 5: Quantitative Methods in Agricultural Business Economics (6 LP)
- Master Thesis/Masterarbeit (30 LP).

### (b) Fachlicher Wahlpflichtbereich (30 LP)

Aus dem nachstehenden Angebot sind Module im Gesamtvolumen von 30 LP zu belegen:

- FM 1: Agribusiness Management (6 LP)
- FM 2: European and International Agricultural Policy (6 LP)
- FM 3: Internationale Agrarentwicklung (6 LP)
- FM 4: Economics of Agricultural and Rural Development (6 LP)
- FM 5: International Macroeconomics and Agricultural Trade (6 LP)
- FM 6: Environmental and Resource Economics (6 LP)
- FM 7: Gender Analysis in Economics/Gender Analysen in der Ökonomik (6 LP).
- FM 8: Marketing in the Agribusiness and Food Sector (6 LP)
- FM 9: Agricultural Land Markets (6 LP)
- FM 10: Controlling und Informationsmanagement (6 LP)
- FM 11: Introduction to Simulation Models in Market and Policy Analysis (6 LP)
- FM 12: Finanzierungstheorie (6 LP)
- FM 13: Intermediate Computable General Equilibrium Modelling (6 LP)
- FM 14: Institutions and Instruments of Development Co-operation (6 LP)
- FM 15: International Agricultural Trade and Development Research Seminar (6 LP)
- FM 16: Cooperation and Cooperative Organizations (6 LP)
- FM 17: Multifunctional Agricultural Land Use (6 LP)
- FM 18: Steuerlehre und Gemeinnützigkeit (6 LP)
- FM 19: Participatory Rural Innovation and Knowledge Systems (6 LP)
- FM 20: Environmental Sociology and Environmental Policy (6 LP)
- FM 21: Human Resource Management (6 LP)
- FM 22: Qualitative Research Methods (6 LP)
- FM 23: Umwelt- und Bioethik (6 LP)
- FM 24: Studienprojekt/ Study Project (12 LP)

- FM 25: Special Topics in Agricultural Economics (6 LP)
- FM 26: Topics in Agricultural and Food Policy (6 LP)
- FM 27: Topics in Agricultural Business Economics (6 LP)
- FM 28: Applied Data Analysis (6 LP)
- FM 29: Futures of Agriculture and Food (6 LP)

### (c) Überfachlicher Wahlpflichtbereich (30 LP)

Im überfachlichen Wahlpflichtbereich sind Module aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtungen im Umfang von 30 LP nach freier Wahl zu absolvieren.

## § 6 Module für den überfachlichen Wahlpflichtbereich anderer Masterstudiengänge

Für den überfachlichen Wahlpflichtbereich anderer Masterstudiengänge werden folgende Module angeboten:

- FM 16 (ÜF): Cooperation and Cooperative Organizations (10 LP)
- FM 4 (ÜF): Economics of Agricultural and Rural Development (10 LP)
- FM 2 (ÜF): European and International Agricultural Policy (10 LP)
- FM 29 (ÜF): Futures of Agriculture and Food (10 LP)

## § 7 In-Kraft-Treten

(1) Diese Studienordnung tritt am 01. Oktober 2017 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 fortsetzen.

(3) Für Studierende, die ihr Studium vor dem In-Kraft-Treten dieser Studienordnung aufgenommen oder nach einem Hochschul-, Studiengangs- oder Studienfachwechsel fortgesetzt haben, gilt die Studienordnung vom 23. September 2014 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 116/2014) übergangsweise fort. Alternativ können sie diese Studienordnung inklusive der zugehörigen Prüfungsordnung wählen. Die Wahl muss schriftlich gegenüber dem Prüfungsbüro erklärt werden und ist unwiderruflich. Mit Ablauf des 31. März 2020 tritt die Studienordnung vom 23. September 2014 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

Abkürzungen: SWS: Semesterwochenstunde; VL: Vorlesung; SE: Seminar; UE: Übung; EX: Exkursion; TU: Tutorium; KGP: Kleingruppenprojekt; SPJ: Studienprojekt; ZoL: Zeichen ohne Leerzeichen

Abbreviations:

CM: Compulsory Module; FM: Focal Module; SWS: contact hours 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

<b>CM 1: Institutional Economics and Political Economy</b>				Credits: 6
<p>Learning objectives: Students</p> <ul style="list-style-type: none"> <li>• have a good knowledge of the basic terms institutional economics and political economy,</li> <li>• know theories to conceptualize and analyze the role of institutions in the economy and society,</li> <li>• understand main drivers and processes of institutional change and political reform,</li> <li>• are able to contrast different strands of institutional economics and their background,</li> <li>• are familiar with theories concerning political economy and governance and their change,</li> <li>• know cases and examples that illustrate the relevance of institutional and political analysis and</li> <li>• are able to apply the concepts learned in their field of study and decision-making.</li> </ul>				
Preconditions: none				
Teaching formats	Hours per week, work-load in hours	Credits and pre-conditions for granting	Topics, contents	
L	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Basic coordination problems</li> <li>• Frameworks for institutional analysis</li> <li>• Transactions and transaction cost</li> <li>• Governance of economic transactions</li> <li>• Game Theory and Behavior</li> <li>• Property Rights Theory</li> <li>• Collective Action Theory</li> <li>• Commons and cooperatives</li> <li>• Transaction Costs Theory</li> <li>• Principal-agent Theory</li> <li>• Theory of the Firm</li> <li>• Labor contracts</li> <li>• Public Choice Theory</li> <li>• Theory of Constitutions</li> <li>• Theory of Democracy</li> <li>• Interpretative Politics</li> <li>• Theory of Interest Groups</li> <li>• Theory of Bureaucracy</li> <li>• Theories of Institutional Change</li> <li>• Political reform and advocacy coalitions</li> <li>• Theories of Public Policy making</li> <li>• Theories of multi-level governance</li> </ul>	
SE	<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>• Reading and discussion of articles demonstrating on core approaches</li> <li>• Application of conceptual ideas for introduction to analytical practice</li> <li>• Group work on review questions</li> </ul>	
Final exam	<u>30 hours</u> Written exam, 90 minutes, and preparation	1 credit, pass		
Duration of module	<input checked="" type="checkbox"/> 1 semester <span style="margin-left: 200px;"><input type="checkbox"/> 2 semesters</span>			
Start of module	<input checked="" type="checkbox"/> winter semester <span style="margin-left: 200px;"><input type="checkbox"/> summer semester</span>			

**CM 2: Public Policy Analysis: Agriculture and Food Policy**

Credits: 6

## 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 analyze 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.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and precondition for granting	Topics, contents
L	<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>• Concepts of public policy</li> <li>• Approaches to 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	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning	3 credits, active participation	Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures
Final exam	<u>30 hours</u> Written exam 90 minutes or oral exam 30 minutes and preparation, or term paper 35,000 ces	1 credit, pass	
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		

**CM 3: Microeconomics: Theory and Policy Analysis**

Credits: 6

Learning objectives:

Students

- understand intermediate microeconomic theory: households & consumption, firms & production, perfect & imperfect markets, welfare economics,
- are able to analyze the allocative and distributive effects of agricultural and food policies, and
- are able to apply microeconomic theory and methods to real world problems of land use and food systems (verbally, graphically and algebraically).

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>4 SWS</u> <u>90 hours</u> 45 hours presence in class, 45 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Households &amp; consumption</li> <li>• Firms and production</li> <li>• Perfect markets and market equilibrium</li> <li>• Imperfect markets</li> <li>• Welfare economics</li> <li>• Economic policy analysis</li> </ul>
E	<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>• Exercises: application of microeconomics and policy analysis to the agricultural and food sector</li> <li>• Related to lecture-contents, voluntary participation</li> </ul>
Final exam	<u>30 hours</u> Written exam (handwritten or PC), 90 minutes, and preparation or oral exam 30 minutes and preparation	1 credit, pass	
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		

**CM 4: Econometrics**

Credits: 6

Learning objectives:

Students

- understand different models for regression analysis,
- become familiar with standard statistical software,
- are able to apply econometric methods to real world problems.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<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>• Regression models</li> <li>• Violation of the assumptions</li> <li>• Logit/probit model</li> <li>• Time series analysis</li> <li>• Cointegration</li> <li>• Error correction models</li> </ul>
E	<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>• Application of the lecture topics using standard econometric software</li> </ul>
Final exam	<u>60 hours</u> Written exam (handwritten or PC), 90 minutes and preparation or oral exam 20 minutes and preparation	2 credits, pass	
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		

**CM 5: Quantitative Methods in Agricultural Business Economics**

Credits: 6

Learning objectives:

Students

- have acquired knowledge of the most important quantitative models in business economics,
- are able to critically reflect strengths and weaknesses of different models,
- are able to treat realistic decision problems in agribusiness by means of quantitative models.

Preconditions: none, recommended: familiarity with spread sheet software, basic business skills in accounting and production economics

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>3 SWS</u> <u>60 hours</u> 35 hours presence in class, 25 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Decision theory</li> <li>• Investment analysis</li> <li>• Linear programming</li> <li>• Integer programming</li> <li>• Stochastic programming</li> <li>• Dynamic programming</li> </ul>
E	<u>1 SWS</u> <u>90 hours</u> 15 hours presence in class, 75 hours preparation and learning and special working task	3 credits, participation, assignment, ca. 30,000 ces, and associated presentation, 15 minutes	In PC lab <ul style="list-style-type: none"> <li>• Training of knowledge from lecture</li> </ul>
Final exam	<u>30 hours</u> Oral exam at PC, 30 minutes, and preparation	1 credit, pass	
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		

**FM 1: Agribusiness Management**

Credits: 6

Learning objectives:

Students

- are able to describe and apply basic concepts and theories of Agribusiness Management,
- are able to apply and evaluate models for decision support.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>3 SWS</u> <u>90 hours</u> 35 hours presence in class, 55 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Strategic management in agribusiness (theories, planning)</li> <li>• Organisation theory, (explanatory approaches, design principles)</li> <li>• Inter-organizational coordination (cooperation, value chain management)</li> <li>• Fundamentals of innovation and knowledge management</li> <li>• Business ethics, CSR</li> </ul>
E	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours preparation and learning and special working task	2 credits, Participation, presentation (20 min.) of an exercise result including a term paper (35,000 ces)	<ul style="list-style-type: none"> <li>• Exercises: Analysis and presentation of current topics of agribusiness management as a group work</li> </ul>
Final exam	<u>30 hours</u> Written exam (handwritten or PC), 90 minutes and preparation	1 credit, pass	
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		



**FM 2: European and International Agricultural Policy**

Credits: 6

**Learning objectives:**

Students are able to

- describe and critically discuss central issues in European and international agricultural policy,
- explain the development of European and international agricultural policy,
- assess academic and political arguments about European and international agricultural policy,
- apply the concepts from the course to analyze current problems in European and international agriculture to develop solutions.

Preconditions: none. Recommended: module Public Policy Analysis: Agriculture and Food Policy (CM 2).

Teaching Format	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<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>• Development and perspectives of European agricultural policy</li> <li>• Agricultural policy-making in the European Union: the interplay of institutions, interests, ideas and policies</li> <li>• Cross-policy and multi-level linkages: Agricultural markets, food, trade, rural areas and the environment</li> <li>• New societal concerns and agricultural policy (e.g. animal welfare, food sovereignty)</li> <li>• Comparative perspectives</li> </ul>
SE	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning	3 credits, active participation	Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures
Final Exam	<u>30 hours</u> Written exam (90 minutes) or oral exam (30 minutes) and preparation, or term paper (35,000 ces)	1 credit, pass	
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		

**FM 3: Internationale Agrarentwicklung**

Leistungspunkte: 6

Lern- und Qualifikationsziele:

Die Studierenden

- haben Kenntnisse über ausgewählte Problembereiche der internationalen Agrarentwicklung,
- können konkrete Fragestellungen strukturieren, bearbeiten und die Ergebnisse vortragen.

Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls:  
keine

Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
SE	<u>3 SWS</u> <u>90 Stunden</u> 35 Stunden Präsenzzeit, 55 Stunden Vor- und Nachbereitung der Lehrveranstaltung	3 LP, Teilnahme	Ausgewählte Problembereiche und Fragen der Politikgestaltung in der internationalen Agrarentwicklung
UE	<u>1 SWS</u> <u>60 Stunden</u> 15 Stunden Präsenzzeit, 45 Stunden Vor- und Nachbereitung der Lehrveranstaltung	2 LP, Teilnahme	Übung anhand ausgewählter Fallbeispiele zu der Themenstellung des Seminars
Modulabschlussprüfung	<u>30 Stunden</u> Klausur (handschriftlich oder PC) 90 Minuten oder mündliche Prüfung, 30 Minuten, und Vorbereitung	1 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input checked="" type="checkbox"/> Wintersemester <input type="checkbox"/> Sommersemester		

**FM 4: Economics of Agricultural and Rural Development**

Credits: 6

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 pre-conditions for granting	Topics, contents
L	<u>3 SWS</u> <u>90 hours</u> 35 hours presence in class, 55 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Definitions and dimensions of development</li> <li>• Measuring development and indicators</li> <li>• Actors of development and political economy</li> <li>• Development assistance and development</li> <li>• Population and demography</li> <li>• Education, health and human capital</li> <li>• Inequality, poverty and development</li> <li>• Trade, growth and development</li> <li>• Migration, refugees and IDPs</li> <li>• Agricultural productivity and development</li> <li>• Rural and micro finance</li> <li>• Foreign direct investment in agriculture</li> <li>• Climate change and agriculture</li> <li>• Water and development</li> </ul>
SE	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours preparation and learning, special working task	2 credits, participation, student term papers, 25,000 ces	<ul style="list-style-type: none"> <li>• Different formats to digest the lecture content such as:                             <ul style="list-style-type: none"> <li>• Case studies on different countries and regions on the successes and failures of development</li> <li>• Mandatory readings and discussions</li> <li>• Student term papers on selected development topics</li> </ul> </li> </ul>
Final exam	<u>30 hours</u> Written exam, 90 minutes, and preparation or oral exam (30 minutes)	1 credit, pass	
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		

**FM 5: International Macroeconomics and Agricultural Trade**

Credits: 6

Learning objectives:

Students

- are able to determine the economic causes and consequences of international movements of goods and production factors,
- are able to analyze the patterns of international trade and of international factor mobility,
- are able to analyze the economic effects of trade policy and related economic policy instruments,
- are able to explain the political economic reasons for restrictions imposed on international trade and factor movements,
- are able to analyze the international interdependence of national agricultural, trade, and macroeconomic policy decisions,
- are able to reflect upon the ethical dimension of trade,
- understand the implications of different currency regimes,
- are able to analyze the motivation and the economic effects of international agreements on trade and factor mobility, and regional economic integration, and
- are able to apply the theoretical concepts of international macroeconomics and trade theory to complex real world phenomena in the agricultural and food sector.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>4 SWS</u> <u>90 hours</u> 45 hours presence in class, 45 hours preparation and learning and special working task	3 credits, participation, student presentation and discussion (total 45 minutes) on a selected topic (group work, graded)	<ul style="list-style-type: none"> <li>• Trade theories</li> <li>• Trade policies</li> <li>• Political economy of trade policy</li> <li>• Macroeconomic theory</li> <li>• Economic integration</li> </ul>
E	<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>• Exercises on the application of international macroeconomics and trade theory to the agricultural and food sector</li> <li>• Related to lecture-contents, voluntary participation</li> </ul>
Final exam	<u>30 hours</u> written exam, 90 minutes, and preparation or oral exam 30 minutes and preparation	1 credit, pass	
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		

Learning objectives:

Students

- know 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 analyze 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.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>3 SWS</u>  <u>90 hours</u> 35 hours presence in class, 55 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Leading notions and basic concepts of environmental and resource economics</li> <li>• Meaning and definitions of sustainability</li> <li>• Anthropocentric and ecocentric views</li> <li>• The environment as a public good, market failure and external effects</li> <li>• Economics of natural resources and models of resource extraction</li> <li>• Non-renewable natural resources</li> <li>• Renewable natural resources</li> <li>• Environmental cost-benefit analysis</li> <li>• Environmental values and assessment</li> <li>• Valuation in environmental economics</li> <li>• Economics of pollution and optimal control: Defining environmental policy objectives</li> <li>• Instruments of environmental policies: Pollution control policy</li> <li>• Instruments and institutions of resource management and environmental policy</li> </ul>
KGP	<u>1 SWS</u>  <u>60 hours</u> 15 hours presence in class, 45 hours preparation and learning and special working task	2 credits, participation, written group term paper ca. 15,000 ces per student	<p>Group work for organizational skills by</p> <ul style="list-style-type: none"> <li>• Developing a joint paper and presentation</li> <li>• Commitment to collective action, generation of trust</li> <li>• Practice of interaction required for sustainable cooperation</li> </ul>
Final exam	<u>30 hours</u> Written exam, 90 minutes, and preparation	1 credit, pass	
Duration	<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		

<b>FM 7: Gender Analysis in Economics</b>		Credits: 6	
<p>Learning objectives:</p> <p>Students are acquainted with</p> <ul style="list-style-type: none"> <li>• foundational approaches to economics from a gender perspective,</li> <li>• epistemology and methodology of feminist economics,</li> <li>• empirical foundations of economic gender analyses (from household to global level),</li> <li>• Gender in agricultural value chain analysis,</li> <li>• Gender in Ecological Economics.</li> </ul>			
Preconditions: none			
Teaching format	Workload in hours, hours per week	Credits and pre-conditions for granting	Topics, contents
SE	<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>• Gender as a category in empirical research</li> <li>• Gender in intersection with other categories of social inequality</li> <li>• Gender as a category of knowledge</li> <li>• Gender as an institution</li> <li>• Gender in market processes</li> <li>• Gender and Governance</li> </ul>
SE	<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>• Food, gender and social reproduction</li> <li>• Sustainable food systems and gender</li> <li>• Food politics/governance and gender</li> <li>• Gender in value chains analysis</li> <li>• Feminism and food sovereignty</li> </ul>
Final exam	<u>60 hours</u> term paper (30,000 ces)	2 credits, pass	
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		

FM 7: Gender Analysen in der Ökonomik		Credits: 6	
Lernziele: Studierende kennen <ul style="list-style-type: none"> <li>• grundlegende Ansätze der Ökonomie aus der Gender-Perspektive,</li> <li>• Epistemologie und Methoden der feministischen Ökonomie,</li> <li>• Empirische Grundlagen ökonomischer Gender Analysen (vom Haushalt bis zur globalen Ebene),</li> <li>• Gender in der Analyse agrarischer Wertschöpfungsketten, Gender in der Ökologischen Ökonomie.</li> </ul>			
Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls: keine			
Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
SE	<u>2 SWS</u> <u>60 Stunden</u> 25 Stunden Präsenzzeit, 35 Stunden Vor- und Nachbereitung der Lehrveranstaltung	2 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Gender als Kategorie in der empirischen Forschung</li> <li>• Gender und Überschneidungen mit anderen Kategorien sozialer Ungleichheit</li> <li>• Gender als Wissenskategorie</li> <li>• Gender als Institution</li> <li>• Gender in Marktprozessen</li> <li>• Gender und Governance</li> </ul>
SE	<u>2 SWS</u> <u>60 Stunden</u> 25 Stunden Präsenzzeit, 35 Stunden Vor- und Nachbereitung der Lehrveranstaltung	2 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Ernährung, Gender und soziale Reproduktion</li> <li>• Nachhaltige Ernährungssysteme und Gender</li> <li>• Ernährungspolitik/-governance und Gender</li> <li>• Gender in der Wertschöpfungskettenanalyse Feminismus und Ernährungssouveränität</li> </ul>
Modulabschlussprüfung	<u>60 Stunden</u> Hausarbeit (30,000 ZoL)	2 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input type="checkbox"/> Wintersemester <input checked="" type="checkbox"/> Sommersemester		

**FM 8: Marketing in the Agribusiness and Food Sector**

Credits: 6

Learning objectives:

Students are able

- to describe and assess advanced concepts and theories of marketing in the agribusiness and food sector,
- to analyze specific problems of marketing in the food sector,
- to use basic methods of marketing research.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<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>• Basic approaches of strategic marketing (situation analysis, sector-specific approaches)</li> <li>• Current topics (e. g. regional marketing, international marketing, eco-marketing and alternative rural services)</li> <li>• Methods of data collection and data analysis in market research</li> <li>• Methods of strategy analysis and design</li> </ul>
E	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning, special working task	2 credits, participation, special working task, term paper 15.000 ces and presentation (15 minutes)	<ul style="list-style-type: none"> <li>• Marketing Research on current issues in the agricultural and food sector</li> </ul>
Final exam	<u>60 hours</u> written exam (handwritten or PC), 90 minutes and preparation or oral exam 20 minutes and preparation	2 credits, pass	
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		



**FM 9: Agricultural Land Markets**

Credits: 6

## Learning Objectives:

## Students

- understand the specifics of agricultural land markets,
- are able to analyze price formation on land markets,
- can specify and apply hedonic pricing and price diffusion models.

Preconditions: none

Teaching formats	SWS, hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Market structure; actors</li> <li>• Land price determinants</li> <li>• Pricing models; hedonic pricing</li> <li>• Price diffusion models</li> <li>• Regulation of land markets</li> <li>• Land grabbing</li> </ul>
SE	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning and special working task	2 credits, participation, presentation, 20 minutes	<ul style="list-style-type: none"> <li>• Training of knowledge from lecture</li> </ul>
Final Exam	<u>30 hours</u> Oral exam, 30 minutes, and preparation	1 credit, pass	
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 will be offered starting WS 18/19		

Lern- und Qualifikationsziele:

Die Studierenden

- können Konzepte und Theorieansätze des Controllings und betrieblichen Informationsmanagements beschreiben und beurteilen,
- können grundlegende Instrumente des Controllings entwickeln und anwenden,
- sind in der Lage, vorhandene Informationsprobleme zu analysieren und den Informationsbedarf zu ermitteln und
- können Datenbanken entwickeln und problemorientiert einsetzen.

Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls: keine

Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
VL	<u>3 SWS</u> <u>120 Stunden</u> 35 Stunden Präsenzzeit, 85 Stunden Vor- und Nachbereitung der Lehrveranstaltung	4 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Ursprünge und Entwicklungsschritte des Controllings</li> <li>• Funktionen des Controllings</li> <li>• Empirische Untersuchungen</li> <li>• Informationsgrundlagen</li> <li>• Entwicklungswerkzeuge für ein Controlling System, Datenmanagement</li> <li>• Operative Werkzeuge des Controllings</li> <li>• Strategische Werkzeuge des Controllings</li> <li>• Datenbankplanung und Entwicklung</li> <li>• Flexible Auswertungssysteme für Problemanalysen</li> <li>• Objektorientierte Visualisierung der Ergebnisse</li> </ul>
SE	<u>1 SWS</u> <u>30 Stunden</u> 15 Stunden Präsenzzeit, 15 Stunden Vor- und Nachbereitung der Lehrveranstaltung	1 LP, Teilnahme	Fallbeispiele zur Vorlesung
Modulabschlussprüfung	<u>30 Stunden</u> Mündliche Prüfung, 30 Minuten, und Vorbereitung	1 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <span style="margin-left: 200px;"><input type="checkbox"/> 2 Semester</span>		
Beginn des Moduls	<input checked="" type="checkbox"/> Wintersemester <span style="margin-left: 200px;"><input type="checkbox"/> Sommersemester</span>		

Learning objectives:

Students

- are able to formulate economic models mathematically and to implement them in the General Algebraic Modeling System (GAMS),
- understand the structure, interpretation and development of Social Accounting Matrices (SAM),
- are able to formulate simple Partial Equilibrium, SAM Multiplier and Computable General Equilibrium models and critically assess the suitability of these model types for the analysis of various economic research questions, and
- are acquainted with general guidelines on the steps to conduct when using these types of models in the field of market and policy analysis.

Preconditions: Microeconomics (e.g. CM 3, or similar). Knowledge on International Macroeconomics and Agricultural Trade (FM 5) is helpful, but not required.

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>2 SWS</u> <u>90 hours</u> 25hours presence in the class 65hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Introduction to simulation modeling</li> <li>• Introduction to General Algebraic Modeling System (GAMS)</li> <li>• One sector market equilibrium model in Excel and GAMS</li> <li>• Model extensions (more products and countries)</li> <li>• Microeconomic foundations of supply and demand systems</li> <li>• Introduction to Computable General Equilibrium models</li> <li>• Social Accounting Matrices and Multiplier Analysis models</li> <li>• A basic 2 sector Computable General Equilibrium model and extensions</li> <li>• A basic 1*2*3 open economy CGE model</li> <li>• An open Economy CGE Model with real world data</li> </ul>
SE	<u>2 SWS</u> <u>60 hours</u> <u>25</u> hours presence in the class <u>35</u> hours preparation and learning	<u>2 credits</u> participation	<ul style="list-style-type: none"> <li>• Computer exercises on the content of the lectures</li> </ul>
Final exam	<u>30 hours</u> <u>90</u> minutes written exam and preparation or <u>30</u> minutes oral exam	<u>1 credit</u> pass	
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		

FM 12: Finanzierungstheorie		Leistungspunkte: 6	
Lern- und Qualifikationsziele: Die Studierenden <ul style="list-style-type: none"> <li>• verfügen über ein Verständnis der wichtigsten theoretischen Grundlagen der Finanzwirtschaft in Agrarunternehmen und</li> <li>• haben Methodenkompetenz und Analysefähigkeit trainiert.</li> </ul>			
Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls: Keine. Empfohlen: Modul Quantitative Methods in Agricultural Business Economics (CM 5)			
Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
VL	<u>3 SWS</u> <u>90 Stunden</u> 35 Stunden Präsenzzeit, 55 Stunden Vor- und Nachbereitung der Lehrveranstaltung	3 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Finanzierungsformen und -quellen</li> <li>• Optimaler Verschuldungsgrad</li> <li>• Capital Asset Pricing Model</li> <li>• Kreditvergabeentscheidung</li> <li>• Warenterminbörse</li> <li>• Optionspreismodelle</li> </ul>
SE	<u>1 SWS</u> <u>60 Stunden</u> 15 Stunden Präsenzzeit, 45 Stunden Vor- und Nachbereitung der Lehrveranstaltung und der speziellen Arbeitsleistung	2 LP, Teilnahme, Referat, 20 Minuten	<ul style="list-style-type: none"> <li>• Vertiefung der Vorlesungsinhalte</li> </ul>
Modulabschlussprüfung	<u>30 Stunden</u> Mündliche Prüfung, 30 Minuten, und Vorbereitung	1 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input type="checkbox"/> Wintersemester <input checked="" type="checkbox"/> Sommersemester		

**FM 13: Intermediate Computable General Equilibrium Modelling**

Credits: 6

Learning Objectives:

Students

- have an overview of different CGE-specifications and their potential as well as limitations regarding the research question to be analyzed,
- are able to adapt standard CGE models for own research-projects.

Preconditions: successful completion of module FM 11 "Introduction to Simulation Models in Market and Policy Analysis" or equivalent experience in basic general equilibrium modelling using the General Algebraic Modeling System (GAMS)

Teaching formats	Hours per week, workload in hours	Credits and preconditions for granting	Topics, contents
L	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class 65 hours preparation and learning	3 credits, participation	Lectures on topics of intermediate CGE modeling such as: <ul style="list-style-type: none"> <li>• Methods for SAM-estimation</li> <li>• Choice of macroeconomic closure</li> <li>• Working with satellite accounts</li> <li>• Options for modeling consumer demand</li> <li>• Options for modeling factor mobility and employment</li> <li>• Modelling of quotas and technological change</li> <li>• Approaches to modelling non-market goods (leisure, ecosystem services)</li> <li>• Global CGE modeling</li> <li>• Dynamic CGE-modeling</li> </ul>
E	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, participation	<ul style="list-style-type: none"> <li>• Exercises on PCs/notebooks in class in order to digest and apply the material presented in the lecture</li> </ul>
SE	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning and special working task	1 credit, participation, term paper 15,000 ces and presentation	Alternatively, students <ul style="list-style-type: none"> <li>• perform a literature review and present on a selected topic of intermediate CGE modeling</li> <li>• perform an own CGE analysis on a selected topic and present their analysis, including results</li> </ul>
Final exam	<u>30 hours</u> 90 minutes written exam or 30 minutes oral exam and preparation	1 credit, pass	
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		

**FM 14: Institutions and Instruments of Development Co-operation**

Credits: 6

Learning objectives:

Students

- have discussed the term 'development' and the motivations for development cooperation,
- know the budgetary procedures of providing funds for development cooperation,
- know the major bilateral and UN organizations involved in international development cooperation,
- can analyze functions and structures of selected development organizations,
- know the instruments of development cooperation,
- know German and UN development institutions in Bonn and have met their staff.

Preconditions: preferably practical experience in development cooperation (in organization and/or field)

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, participation	<ul style="list-style-type: none"> <li>• What does development mean?</li> <li>• Motivations for development cooperation</li> <li>• Development policy instruments and strategies, budgetary procedures</li> <li>• Overview on national and international rule-setting institutions and implementing organizations</li> <li>• Students select institutions to report on</li> </ul>
SE	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, participation	<ul style="list-style-type: none"> <li>• Students present and discuss their reports on development institutions, repeating, deepening and applying content of introduction lecture</li> <li>• Students get group's and lecturer's feedback on their presentation performance</li> </ul>
FT	<u>30 hours</u>	1 credit, participation	Trip to Bonn to visit the Federal Ministry of Development, two UN-organizations and one international NGO Optional: further visits to Berlin-based development organizations
Final exam	<u>90 hours</u> term paper, ca. 30,000 ces	3 credits, pass	Report on one selected development organization, based on visit/interview/literature, including description of one project implemented by this organization, and annexes
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		

**FM 15: International Agricultural Trade and Development Research Seminar**

Credits: 6

Learning objectives:

Students

- are able to perform literature reviews,
- are able to write academic papers,
- are able to present and critically discuss their research work.

Preconditions: none. Recommended modules: Economics of Agricultural and Rural Development (FM 4) and/or International Macroeconomics and Agricultural Trade (FM 5), according to the topical focus of the seminar

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, participation	<ul style="list-style-type: none"> <li>• Systematic literature search and literature review</li> <li>• Citation and referencing</li> <li>• Formatting a research paper</li> <li>• Writing a literature review</li> <li>• Writing a research proposal</li> <li>• Writing a research paper</li> <li>• Presenting a research paper</li> </ul>
SE	<u>3 SWS</u> <u>90 hours</u> 15 hours presence in class, 75 hours preparation and learning, special working task	3 credits, participation, presentation of a term paper (20 minutes)	A topical focus in the field of international agricultural trade and development will be announced at the beginning of the semester. Topics for individual term papers, related to this focus, will be agreed upon with the lecturer. Students will be individually supervised while preparing their paper. The term papers will be presented at the end of the semester in class. Presentation will be 20 minutes.
Final exam	<u>60 hours</u> term paper , ca. 45,000 ces	2 credits, pass	
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		

**FM 16: Cooperation and Cooperative Organizations**

Credits: 6

Learning objectives:  
Students

- have an overview of problems of cooperative organizations,
- are able to apply different theoretical concepts: yardstick, market entry, collective action, organizational and development economics, public choice, games and behavior,
- have an overview of the development of cooperatives and its empirical background and
- know how to analyze the Cooperative law, strategies towards poverty alleviation and rural development, management and business practices as well as self-help initiatives.

Preconditions: none. Recommended: methodological competence, social competence, theory building skills, academic writing skills

Teaching formats	Hours per week, workload in hours	Credits and preconditions for granting	Topics, contents
L	<u>3 SWS</u> <u>60 hours</u> 35 hours presence in class, 25 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Cooperatives and Democratic Membership Organizations (DMOs) worldwide: historical development, facts and typologies</li> <li>• Basics of economic theory: types of goods, behavioral models, the logic of cooperation and self-help organizations</li> <li>• Cooperatives as business associations: principles, ownership and agents</li> <li>• Governing the cooperative: decision-making, corporate vs cooperative governance</li> <li>• Position and impact of cooperatives in agribusiness cases: dairy, wine, fruit and vegetables</li> <li>• Producer organizations in the international development debate: poverty alleviation, microfinance and gender</li> <li>• Cooperatives and communities: rural development challenges in the EU, cooperation and the future of municipal infrastructure</li> <li>• Cooperatives in other sectors: Housing cooperatives, civil society and urbanization; energy cooperatives and the transformation of the energy sector</li> </ul>
SE	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours preparation and learning and special working task	2 credits, participation, presentation in class, 10 minutes	Students present and discuss their ideas and paper proposals in a students' colloquium
Final exam	<u>60 hours</u> term paper, ca. 30,000 ces	2 credits, pass	
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		



**FM 17: Multifunctional Agricultural Land Use**

Credits: 6

Learning objectives:

Students

- are able to identify the demand for land use related ecosystem services in an urban-rural-context,
- are able to analyze the ecological, economic and social effects of policies regarding the provision of land use-connected ecosystem services,
- understand challenges of multifunctional land use, resulting conflicts and instruments to avoid or solve conflicts, and
- are able to deal with inter- and transdisciplinary research approaches regarding multifunctional agricultural land use.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<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>• Demand for and provision of land use connected ecosystem services</li> <li>• Governance of land use related ecosystem services</li> <li>• Land use conflicts and their governance</li> <li>• Inter- and transdisciplinary research approaches</li> </ul>
SE	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning and special working task	3 credits, participation, term paper, approx. 40,000 ces	<ul style="list-style-type: none"> <li>• Preparation of a term paper related to lecture-topics</li> <li>• Further discussion of lecture topics</li> </ul>
Final exam	<u>30 hours</u> Written exam (handwritten or PC), 90 minutes and preparation or oral exam 20 minutes and preparation	1 credit, pass	
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		

**FM 18: Steuerlehre und Gemeinnützigkeit**

Leistungspunkte: 6

Lern- und Qualifikationsziele:

Die Studierenden

- sind vertraut mit den Grundlagen der Steuerlehre und
- kennen die steuerlichen Besonderheiten landwirtschaftlicher Betriebe und die steuerlichen Besonderheiten gemeinnütziger Organisationen.

 Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls:  
Keine.

Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
VL	<u>3 SWS</u> <u>90 Stunden</u> 35 Stunden Präsenzzeit, 55 Stunden Vor- und Nachbereitung der Lehrveranstaltung	3 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Abgabenordnung</li> <li>• Einkommenssteuerrecht</li> <li>• Besteuerung von Unternehmen mit Gewinnerzielungsabsicht</li> <li>• Besteuerung von Organisation mit ideellen Zielen</li> <li>• Umsatzsteuer</li> </ul>
UE	<u>1 SWS</u> <u>60 Stunden</u> 15 Stunden Präsenzzeit, 45 Stunden Vor- und Nachbereitung der Lehrveranstaltung	2 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Übungen zur Einkommensteuer, zum Unternehmenssteuerrecht, zum Gemeinnützigkeitsrecht und zur Umsatzsteuer</li> </ul>
Modulabschlussprüfung	<u>30 Stunden</u> Klausur, 90 Minuten, und Vorbereitung	1 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input checked="" type="checkbox"/> Wintersemester <input type="checkbox"/> Sommersemester		

**FM 19: Participatory Rural Innovation and Knowledge Systems**

Credits: 6

Learning objectives:

Students

- have knowledge in theory and practice of rural knowledge and innovation systems,
- are able to analyze 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.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credit, participation	<ul style="list-style-type: none"> <li>• Theoretical foundations concerning organization and functions of PRIKS</li> <li>• Forms of organization in agricultural research and extension services (international)</li> <li>• Planning of participatory advisory and learning processes</li> <li>• Implementation of knowledge exchange activities</li> </ul>
E	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning and special working task	2 credits, participation, individual preparation of a term paper, ca. 10,000 ces, presentation of 15 minutes in-class	Intensive training course on communication and advisory skills
Final exam	<u>60 hours</u> Written exam, 90 minutes, or term paper (ca. 45,000 ces) and preparation	2 credits, pass	
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		

Learning objectives:

Students know

- the role of lifestyles and consumption patterns for natural resource use and concepts and approaches dealing with nature-society interactions,
- the framework of the Common Agricultural Policy (CAP) of the European Union (EU) in the light of agri-environmental policies and services,
- the historical development of the European Union (EU) and its decision-making processes,
- the nature of current climate change adaptation projects in Europe, India, Africa and Latin America including how climate change can be deciphered as a complex socio-natural process,
- how to sensitize the special responsibility of urban areas for climate policy,
- the view on sustainable development as a social transformation process and current modelling approaches for sustainability impact analysis in the frame of policy advice.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>3 SWS</u> <u>60 hours</u> 35 hours presence in class, 25 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Basic concepts and approaches of environmental sociology</li> <li>• Lifestyles, consumption patterns and environmental impacts</li> <li>• Environmental awareness and behavior</li> <li>• Climate change from a sociological point of view (climate discourse analysis)</li> <li>• The role of cities in climate policy (adaptation, mitigation)</li> <li>• Sustainable Development from a sociological point of view</li> <li>• Decision making processes within the European Union (EU) and the related Common Agricultural Policy (CAP)</li> <li>• EU Agri-environmental policy, multifunctionality in agriculture and theory on ecosystem services</li> <li>• World-wide examples on climate change adaptation and ecosystem service projects</li> <li>• Modeling approaches for sustainability impact analysis related to land-use change and land use policies</li> </ul>
SE	<u>1 SWS</u> <u>90 hours</u> 15 hours presence in class, 75 hours preparation and learning and special working task	3 credits, participation, term paper, ca. 30,000 ces	Further discussion of lecture topics
Final exam	<u>30 hours</u> Oral exam, 20 minutes, based on the term paper, and preparation	1 credit, pass	
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		

Lern- und Qualifikationsziele:

Die Studierenden

- haben ein Problembewusstsein für arbeits- und personalwissenschaftliche Aufgabenfelder im Agrarbereich,
- haben Fach- und Methodenkompetenz in den Arbeits- und personalwissenschaftlichen Grundlagen des Personalmanagements.

Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls:  
Keine:

Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
VL	<u>3 SWS</u> <u>60 Stunden</u> 35 Stunden Präsenzzeit, 25 Stunden Vor- und Nachbereitung der Lehrveranstaltung	2 LP, Teilnahme	Personalwirtschaftliches und arbeitswirtschaftliches Instrumentarium für das Agrarmanagement <ul style="list-style-type: none"> <li>• Personalbeschaffung</li> <li>• Personaleinsatz</li> <li>• Personalentlohnung</li> <li>• Personalfreistellung</li> <li>• Mitarbeiterführung</li> <li>• Arbeitsstudium</li> <li>• Arbeitsgestaltung</li> <li>• Arbeitsplanung</li> </ul>
UE	<u>1 SWS</u> <u>60 Stunden</u> 15 Stunden Präsenzzeit, 45 Stunden Vor- und Nachbereitung der Lehrveranstaltung und der speziellen Arbeitsleistung	2 LP, Teilnahme, Referat, 20 Minuten	Fallbeispiele zur Vorlesung
Modulabschlussprüfung	<u>60 Stunden</u> Mündliche Prüfung, 30 Minuten oder Hausarbeit, ca. 30.000 ZoL, und Vorbereitung	2 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input checked="" type="checkbox"/> Wintersemester <input type="checkbox"/> Sommersemester		

Learning objectives:

Students are able to

- describe the methodological foundations and purpose of qualitative research methods,
- characterize different qualitative research techniques and explain the underlying ontological and epistemological assumptions,
- assess the suitability and limitations of qualitative methods for research problems related to their taught programs (e.g., agriculture and food issues, resource management, gender studies),
- critically assess methodological choices in qualitative research,
- develop a research design for a topic of their own choice and justify their own methodological choices,
- reflect on the positionality of the researcher in the research process.

Preconditions: None

Teaching Format	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credits, participation	methodological foundations of qualitative research methods; <ul style="list-style-type: none"> <li>• advanced discussion of different qualitative research methods, e.g. interviews, focus groups, qualitative document analysis, observational techniques, ethnographic field studies</li> <li>• qualitative research design and methodological choices</li> <li>• approaches to researcher reflexivity</li> <li>• research ethics</li> </ul>
SE	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning	3 credits, active participation	Critical assessment and application of the concepts from the lectures
Final Exam	<u>30 hours</u> Written exam (90 minutes) or oral exam (30 minutes) and preparation, or term paper (35,000 ces)	1 credit, pass	
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		

**FM 23: Umwelt- und Bioethik**

Leistungspunkte: 6

## Lern- und Qualifikationsziele

## Die Studierenden

- haben Begrifflichkeiten, Definitionen und Anwendungsfelder der Bioethik kennen gelernt,
- haben ethische Positionen und Begründungen kennen gelernt und die Fähigkeit, deren Praktikabilität anhand verschiedener gesellschaftspolitischer Fragen zu prüfen gelernt,
- haben anhand von konkreten Fallbeispielen ihr Argumentations- und Reflexionsvermögen in ethischen und moralischen Fragestellungen geschult und erweitert,
- haben gelernt, konkrete ethische Problemstellungen und Konflikte zwischen den Schutz- und Nutzungsinteressen von Boden, Pflanze, Tier, Mensch und den kommenden Generationen zu analysieren und ethisch zu bewerten.

## Fachliche Voraussetzungen: keine

Lehrveranstaltungsart	Präsenzzeit/Workload	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
VL	<u>2 SWS</u> <u>60 Stunden</u> 25 Stunden Präsenzzeit, 35 Stunden Vor- und Nachbereitung der Lehrveranstaltung	2 LP, Teilnahme	<ul style="list-style-type: none"> <li>• Einführung in die Ethik</li> <li>• Wissenschaftsethik</li> <li>• Bioethik: Schwerpunkt Mensch</li> <li>• Bioethik für Umwelt, Pflanze &amp; Tier</li> <li>• Sozial-, Agrar- &amp; Wirtschaftsethik</li> </ul>
SE	<u>2 SWS</u> <u>90 Stunden</u> 25 Stunden Präsenzzeit, 65 Stunden Vor- und Nachbereitung der Lehrveranstaltung und der speziellen Arbeitsleistung	3 LP, Teilnahme, Referat von 45 Minuten	Vertiefende Diskussion der Vorlesungsinhalte
Modulabschlussprüfung	<u>30 Stunden</u> Hausarbeit 35.000 ZoL	1 LP, Bestehen	
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input type="checkbox"/> Wintersemester <input checked="" type="checkbox"/> Sommersemester, Start 2019, alle 2 Jahre		

**FM 24: Studienprojekt**

Leistungspunkte: 12

**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.

 Fachliche Voraussetzungen für die Teilnahme am Modul bzw. bestimmten Lehrveranstaltungen des Moduls:  
 Keine. Empfohlen: Absolvierte Pflichtmodule CM 1-5.

Lehrveranstaltungsart	Präsenzzeit, Workload in Stunden	Leistungspunkte und Voraussetzung für deren Erteilung	Themen, Inhalte
SPJ	<u>8 SWS</u> <u>180 Stunden</u> 90 Stunden Präsenzzeit, 90 Stunden Vor- und Nachbereitung der Lehrveranstaltung	6 LP, Teilnahme	Selbständige wissenschaftliche Bearbeitung eines Themas aus dem Modulspektrum des Studiengangs, einzeln oder in der Gruppe. Bearbeitungszeit: 15 Wochen.
Modulabschlussprüfung	<u>180 Stunden</u>  Teilprüfung 1: Schriftlicher Projektbericht ca. 45.000 ZoL  Teilprüfung 2: mündliche Prüfung auf der Basis des Projektberichtes, 30 Minuten je Studierendem/ Studierender, und Vorbereitung	Teilprüfung 1: 4 LP, Bestehen  Teilprüfung 2: 2 LP, Bestehen	Aufgrund des hohen Modulumfangs wird die Leistung nicht nur in Form eines schriftlichen Papiers festgestellt, sondern in der Präsentation und Diskussion auch die Fähigkeit der Studierenden eruiert, die erarbeiteten Inhalte darzustellen, kritisch einzuordnen und zu diskutieren.
Dauer des Moduls	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Beginn des Moduls	<input checked="" type="checkbox"/> Wintersemester <input checked="" type="checkbox"/> Sommersemester		



**FM 24: Study Project**

Credits: 12

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.

Preconditions: none. Recommended: passing of the compulsory modules 1-5.

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
SPJ	<u>8 SWS</u> <u>180 hours</u> 90 hours presence in class, 90 hours preparation and learning	6 credits, participation	Individual or group work on a scientific topic, related to the spectrum of modules of this programme Editing time: 15 weeks
Final exam	<u>180 hours</u> Exam 1: term paper, ca. 45,000 ces  Exam 2: oral exam, based on the term paper, 30 minutes per student, and preparation	Exam 1: 4 credits, pass  Exam 2: 2 credits, pass	Due to the size of the module, the results are not only examined in the form of a written paper, but also an oral presentation and discussion. This allows to examine students' ability, to present, critically reflect and discuss the content of their papers.
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		

**FM 25: Special Topics in Agricultural Economics**

Credits: 6

Learning objectives:

Students

- understand selected topics in agricultural economics,
- are able to describe and critically discuss selected topics in agricultural economics, and
- are able to discuss the relevance of selected topics in agricultural economics for the agricultural and food sector in general.

Preconditions: none

Teaching Format	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L or SE	<u>2 SWS</u> <u>75 hours</u> 25 hours presence in class, 50 hours preparation and learning and special working task	2.5 credits, participation, presentation of a term paper 15 minutes	Selected topics in agricultural economics  The lecture/seminar topics will be announced at the beginning of the semester
L or SE or E	<u>2 SWS</u> <u>75 hours</u> 25 hours presence in class, 50 hours preparation and learning and special working task	2.5 credits, participation, presentation of a term paper 15 minutes	Selected topics in agricultural economics  The lecture/seminar topics will be announced at the beginning of the semester
Exam	<u>30 hours</u> Written exam, 90 minutes and preparation or oral exam 30 minutes and preparation or term paper of about 45,000 ces	1 credit, pass	
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 Module will not be offered on a regular basis. Information can be found on AGNES or KVV.		

**FM 26: Topics in Agricultural and Food Policy**

Leistungspunkte: 6

## Learning objectives:

Students are able to

- describe and critically discuss selected topics in agricultural and food policy,
- develop and justify solutions to topics in agricultural and food policy, and
- discuss the relevance of selected topics in agricultural and food policy for the agricultural and food sector in general.

Preconditions: none

Teaching Format	hours per week, workload in hours	Credits and pre-conditions for granting	Topic, contents
L or SE	<u>2 SWS</u> <u>75 hours</u> 25 hours presence in class, 50 hours preparation and learning and special working task	2.5 credits, participation, presentation of a term paper 15 minutes	Selected topics in agricultural and food policy  The lecture/seminar topics will be announced at the beginning of the semester
L or SE or E	<u>2 SWS</u> <u>75 hours</u> 25 hours presence in class, 50 hours preparation and learning and special working task	2.5 credits, participation, presentation of a term paper 15 minutes	Selected topics in agricultural and food policy  The lecture/seminar topics will be announced at the beginning of the semester
Exam	<u>30 hours</u> Written exam, 90 minutes and preparation or oral exam 30 minutes and preparation or term paper of about 45,000 ces	1 credit, pass	
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 Module will not be offered on a regular basis. Information can be found on AGNES or KVV		

**FM 27: Topics in Agricultural Business Economics**

Credits: 6

Learning objectives:

Students

- understand selected topics in agricultural business economics,
- are able to describe and critically discuss selected topics in agricultural business economics, and
- are able to discuss the relevance of selected topics in agricultural business economics for the agricultural and food sector in general.

Preconditions: none

Teaching Format	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L or SE	<u>2 SWS</u> <u>75 hours</u> 25 hours presence in class, 50 hours preparation and learning and special working task	2.5 credits, participation, presentation of a term paper 15 minutes	Selected topics in agricultural business economics  The lecture/seminar topics will be announced at the beginning of the semester
L or SE or E	<u>2 SWS</u> <u>75 hours</u> 25 hours presence in class, 50 hours preparation and learning and special working task	2.5 credits, participation, presentation of a term paper 15 minutes	Selected topics in agricultural business economics  The lecture/seminar topics will be announced at the beginning of the semester
Exam	<u>30 hours</u> Written exam, 90 minutes and preparation or oral exam 30 minutes and preparation or term paper of about 45,000 ces	1 credit, pass	
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 Module will not be offered on a regular basis. Information can be found on AGNES or KVV		

**FM 28: Applied Data Analysis**

Credits: 6

 Learning objectives:  
 Students

- understand selected topics in applied data analysis,
- are familiar with standard statistical software.

Preconditions: none

Teaching formats	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L+E or SE	<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>• Selected topics in applied data analysis</li> <li>• Application of these topics using standard statistical software</li> <li>• The lecture topics will be announced at the beginning of the semester.</li> </ul>
L+E or SE	<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>• Selected topics in applied data analysis</li> <li>• Application of these topics using standard statistical software</li> <li>• The lecture topics will be announced at the beginning of the semester.</li> </ul>
Final exam	<u>60 hours</u> Written exam (handwritten or PC), 90 minutes and preparation or oral exam 20 minutes and preparation	2 credits, pass	
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 Module will not be offered on a regular basis. Information can be found on AGNES or KVV.		

**FM 29: Futures of Agriculture and Food**

Credits: 6

 Learning objectives:  
 Students are able to

- explain the role of science in the development and justification of societal visions for the future of agriculture and food systems,
- describe and analyze alternative visions of the future development of agriculture and food systems and critically assess their purposes and effects,
- explain and apply methods for the critical exploration of alternative futures,
- develop critical arguments about likely and desirable futures of agriculture and food systems.

Entry conditions: none.

Teaching Format	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
LE	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, participation	<ul style="list-style-type: none"> <li>• Scientific advice and societal visions of the future</li> <li>• Approaches to the creation of visions for future technological and societal developments</li> <li>• Approaches to the critical exploration of alternative futures</li> <li>• Alternative futures of agriculture and food systems</li> </ul>
SE	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning and special working task	1 credit, active participation, oral defence of the term paper (30 minutes), or group presentation (15 minutes) and oral defence of the group term paper (30 minutes)	<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> <li>• Presentation of group work or term papers</li> </ul>
E	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credits, active participation	Application of the concepts from the course. Guidance on group work or term papers.
Final Exam	<u>60 hours</u> Group term paper (70,000 ces) or individual term paper (30,000 ces)	2 credits, pass	
Duration of module	<input checked="" type="checkbox"/> 1 semester <input type="checkbox"/> 2 semester		
Start of module	<input checked="" type="checkbox"/> winter semester <input type="checkbox"/> Summer semester Module will be offered every second year.		

Learning objectives:

Students

- have an overview of problems of cooperative organizations
- are able to apply different theoretical concepts: yardstick, market entry, collective action, organizational and development economics, public choice, games and behavior,
- have an overview of the development of cooperatives and its empirical background and
- know how to analyze the Cooperative law, strategies towards poverty alleviation and rural development, management and business practices as well as self-help initiatives.

Preconditions: none. Recommended: methodological competence, social competence, theory building skills, academic writing skills

Teaching formats	Hours per week, workload in hours	Credits and preconditions for granting	Topics, contents
L	<u>3 SWS</u> <u>60 hours</u> 35 hours presence in class, 25 hours preparation and learning	2 credits, participation	<ul style="list-style-type: none"> <li>• Cooperatives and Democratic Membership Organizations (DMOs) worldwide: historical development, facts and typologies</li> <li>• Basics of economic theory: types of goods, behavioral models, the logic of cooperation and self-help organizations</li> <li>• Cooperatives as business associations: principles, ownership and agents</li> <li>• Governing the cooperative: decision-making, corporate vs cooperative governance</li> <li>• Position and impact of cooperatives in agribusiness cases: dairy, wine, fruit and vegetables</li> <li>• Producer organizations in the international development debate: poverty alleviation, microfinance and gender</li> <li>• Cooperatives and communities: rural development challenges in the EU, cooperation and the future of municipal infrastructure</li> <li>• Cooperatives in other sectors: Housing cooperatives, civil society and urbanization; energy cooperatives and the transformation of the energy sector</li> </ul>
SE	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours preparation and learning and special working task	2 credits, participation, presentation in class, 10 minutes	Students present and discuss their ideas and paper proposals in a students' colloquium
Final exam	<u>180 hours</u> Term paper, ca. 40,000 ces	6 credits, pass	
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		

## 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, work-load in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>3 SWS</u> <u>90 hours</u> 35 hours presence in class, 55 hours preparation and learning	3 credits, participation	<ul style="list-style-type: none"> <li>• Definitions and dimensions of development</li> <li>• Measuring development and indicators</li> <li>• Actors of development and political economy</li> <li>• Development assistance and development</li> <li>• Population and demography</li> <li>• Education, health and human capital</li> <li>• Inequality, poverty and development</li> <li>• Trade, growth and development</li> <li>• Migration, refugees and IDPs</li> <li>• Agricultural productivity and development</li> <li>• Rural and micro finance</li> <li>• Foreign direct investment in agriculture</li> <li>• Climate change and agriculture</li> <li>• Water and development</li> </ul>
SE	<u>1 SWS</u> <u>60 hours</u> 15 hours presence in class, 45 hours preparation and learning and special working task	2 credits, participation, term paper 25,000 ces	<ul style="list-style-type: none"> <li>• Different formats to digest the lecture content such as:</li> <li>• Case studies on different countries and regions on the successes and failures of development</li> <li>• Mandatory readings and discussions</li> <li>• Student term papers on selected development topics</li> </ul>
SE	<u>2 SWS</u> <u>120 hours</u> 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)	<ul style="list-style-type: none"> <li>• Preparation and presentation of 20 minutes of a term paper, graded (to enable students to assess their academic writing and presentation skills)</li> </ul>
Final exam	<u>30 hours</u> Written exam, 90 minutes and preparation or oral exam, 30 minutes and preparation	1 credit, pass	
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		



**FM 2 (ÜF): European and International Agricultural Policy**

Credits: 10

**Learning objectives:**

Students are able to

- describe and critically discuss central issues in European and international agricultural policy,
- explain the development of European and international agricultural policy,
- assess academic and political arguments about European and international agricultural policy,
- apply the concepts from the course to analyze current problems in European and international agriculture and to develop solutions.

Preconditions: None. Module Public Policy Analysis: Agriculture and Food Policy (CM 2) is recommended.

Teaching Format	Hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<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>• Development and perspectives of European agricultural policy</li> <li>• Agricultural policy-making in the European Union: the interplay of institutions, interests, ideas and policies</li> <li>• Cross-policy and multi-level linkages: Agricultural markets, food, trade, rural areas and the environment</li> <li>• New societal concerns and agricultural policy (e.g. animal welfare, food sovereignty)</li> <li>• Comparative perspectives</li> </ul>
SE	<u>2 SWS</u> <u>90 hours</u> 25 hours presence in class, 65 hours preparation and learning	3 credits, active participation	Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures
SE	<u>1 SWS</u> <u>120 hours</u> 15 hours presence in class and individual supervision, 110 hours preparation and learning and special working task	4 credits, participation Group term paper (70,000 ces) or individual term paper (30,000 ces) and oral defence of the term paper (30 minutes), or group presentation (15 minutes) and oral defence of the group term paper (30 minutes)	Extended critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures
Final Exam	<u>30 hours</u> Written exam (90 minutes) or oral exam (30 minutes), and preparation	1 credit, pass	
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		

**FM 29 (ÜF): Futures of Agriculture and Food**

Credits: 10

**Learning objectives:**

Students are able to

- explain the role of science in the development and justification of societal visions for the future of agriculture and food systems,
- describe and analyze alternative visions of the future development of agriculture and food systems and critically assess their purposes and effects,
- explain and apply methods for the critical exploration of alternative futures,
- develop critical arguments about likely and desirable futures of agriculture and food systems.

Entry conditions: None.

Teaching Format	hours per week, workload in hours	Credits and pre-conditions for granting	Topics, contents
L	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, participation	<ul style="list-style-type: none"> <li>• Scientific advice and societal visions of the future</li> <li>• Approaches to the creation of visions for future technological and societal developments</li> <li>• Approaches to the critical exploration of alternative futures</li> <li>• Alternative futures of agriculture and food systems</li> </ul>
SE	<u>1 SWS</u> <u>30 hours</u> 15 hours presence in class, 15 hours preparation and learning	1 credit, active participation	Critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures
SE	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning and special working task	2 credits, participation, group term paper (70,000 ces), group presentation (15 min.) and oral defence of group term paper (30 min.)	Extended critical assessment and application of the concepts from the lectures, creation of arguments building on the concepts and content from the lectures
E	<u>2 SWS</u> <u>60 hours</u> 25 hours presence in class, 35 hours preparation and learning	2 credits active participation	Application of the concepts from the course. Guidance on group work or term papers.
Final Exam	<u>120 hours</u> Individual term paper (30,000 ces) or multimedia exam (multimediale Prüfung) (15 minutes)	4 credits, pass	
Duration of module	<input checked="" type="checkbox"/> 1 Semester <input type="checkbox"/> 2 Semester		
Start of module	<input checked="" type="checkbox"/> winter semester <input type="checkbox"/> summer semester Module will be offered every second year.		



## 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
<b>Pflichtbereich</b> (insgesamt 60 LP)					
CM 1	Institutional Economics and Political Economy	Lecture, Seminar 4 SWS 6 LP			
CM 2	Public Policy Analysis: Agriculture and Food Policy	Lecture, Seminar, 4 SWS 6 LP			
CM 3	Microeconomics: Theory and Policy Analysis	Lecture, Exercise 6 SWS 6 LP			
CM 4	Econometrics	Lecture, Exercise 4 SWS 6 LP			
CM 5	Quantitative Methods in Agricultural Business Economics	Lecture, Exercise 4 SWS 6 LP			
Masterarbeit/Master Thesis					30 LP
<b>Fachlicher Wahlpflichtbereich</b> (insgesamt 30 LP)					
FM	5 FM-Module alternativ 3 FM-Module und ein Studienprojekt		Insgesamt 30 LP		
<b>Überfachlicher Wahlpflichtbereich</b> (30 LP)					
ÜF	Module aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtung nach freier Wahl		Insgesamt 30 LP		
<b>Gesamt</b> (120 LP)					
LP je Semester		30 LP	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.

# Fachspezifische Prüfungsordnung für den Masterstudiengang „Agricultural Economics“

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 folgende Prüfungsordnung erlassen\*:

- § 1 Anwendungsbereich
- § 2 Regelstudienzeit
- § 3 Prüfungsausschuss
- § 4 Modulabschlussprüfungen
- § 5 Freiversuche
- § 6 Masterarbeit
- § 7 Abschlussnote
- § 8 Akademischer Grad
- § 9 In-Kraft-Treten

**Anlage:** Übersicht über die Prüfungen

## § 1 Anwendungsbereich

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

## § 2 Regelstudienzeit

Der Masterstudiengang Agricultural Economics hat eine Regelstudienzeit von 4 Semestern.

## § 3 Prüfungsausschuss

Für die Prüfungsangelegenheiten des Masterstudienganges Agricultural Economics ist der Prüfungsausschuss des Instituts für Agrar- und Gartenbauwissenschaften zuständig.

## § 4 Modulabschlussprüfungen

Mündliche und praktische 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 Modulabschlussprüfungen begrenzt.

## § 6 Masterarbeit

(1) Bestandene Masterarbeiten sind zu verteidigen. Die mündliche Verteidigung erfolgt spätestens acht Wochen nach Abgabe der Masterarbeit.

(2) Bei der Berechnung der Note der Masterarbeit werden die Note für den schriftlichen Teil und die Note für die Verteidigung im Verhältnis 2:1 gewichtet.

## § 7 Abschlussnote

(1) Die Abschlussnote des Masterstudienganges Agricultural Economics wird aus den Noten der Modulabschlussprüfungen und der Note der Masterarbeit, gewichtet nach den gemäß Anlage für die Module und die Masterarbeit 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 der Berechnung der Abschlussnote nicht berücksichtigt.

## § 8 Akademischer Grad

Wer den Masterstudiengang Agricultural Economics erfolgreich abgeschlossen hat, erlangt den akademischen Grad „Master of Science“ (abgekürzt „M.Sc.“).

## § 9 In-Kraft-Treten

(1) Diese Prüfungsordnung tritt am 01. Oktober 2017 in Kraft.

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

(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 fortsetzen.

(3) Für Studierende, die ihr Studium vor dem In-Kraft-Treten dieser Prüfungsordnung aufgenommen oder nach einem Hochschul-, Studiengangs- oder Studienfachwechsel fortgesetzt haben, gilt die Prüfungsordnung vom 23. September 2014 (Amtliches Mitteilungsblatt der Humboldt-Universität zu Berlin Nr. 116/2014) 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 31. März 2020 tritt die Prüfungsordnung vom 23. September 2014 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

### Abkürzungen:

CM: Pflichtmodul; FM: Fachliches Wahlpflichtmodul; SPJ: Studienprojekt; ZoL: Zeichen ohne Leerstellen

### Abbreviations:

CM: Compulsory Module; FM: Focal Module; SPJ: Study Project, ces: characters excluding space

Nr. d. Moduls	Name des Moduls	LP des Moduls	Fachspezifische Zulassungsvoraussetzungen für die Prüfung	Form, Dauer/Bearbeitungszeit/Umfang,	Benotung
<b>Pflichtbereich (60 LP)</b>					
CM 1	Institutional Economics and Political Economy	6	none	Written exam, 90 minutes	ja
CM 2	Public Policy Analysis: Agriculture and Food Policy	6	none	Written exam, 90 minutes, or oral exam, 30 minutes, or term paper of 35,000 ces	ja
CM 3	Microeconomics: Theory and Policy Analysis	6	none	Written exam (90 minutes, handwritten or PC) or oral exam (30 minutes)	ja
CM 4	Econometrics	6	none	Written exam (90 minutes, handwritten or PC) or oral exam (20 minutes)	ja
CM 5	Quantitative Methods in Agricultural Business Economics	6	none	Oral exam at PC, 30 minutes	ja
Masterarbeit/Master Thesis		30	Nachweis über den Abschluss der Pflichtmodule 1 – 5/ Passing of the compulsory modules 1-5	Die Bearbeitungszeit beträgt 24 Wochen. Umfang der schriftlichen Arbeit: ca. 150.000 bis 240.000 ZoL (entspricht etwa 50 bis 80 Seiten), und mündliche Verteidigung in einem Kolloquium, 60 Minuten, einschließlich Diskussion. Time from registration to submission: 24 weeks; Written thesis, ca. 150,000 to 240,000 ces (ca. 50-80 pages), and oral defense in a colloquium, 60 minutes, including discussion.	ja
<b>Fachlicher Wahlpflichtbereich (30 LP bzw. 5 reguläre Module oder 3 reguläre Module und Studienprojekt)</b>					
FM 1	Agribusiness Management	6	none	Written exam (90 minutes, handwritten or PC)	ja
FM 2	European and International Agricultural Policy	6	none	Written exam, 90 minutes, or oral exam, 30 minutes, or term paper 35,000 ces	ja
FM 3	Internationale Agrarentwicklung	6	keine	Klausur, 90 Minuten (handschriftlich oder am PC), oder mündliche Prüfung, 30 Minuten	ja

FM 4	Economics of Agricultural and Rural Development	6	none	Written exam, 90 minutes, or oral exam, 30 minutes	ja
FM 5	International Macroeconomics and Agricultural Trade	6	none	Written exam, 90 minutes, or oral exam, 30 minutes	ja
FM 6	Environmental and Resource Economics	6	none	Written exam, 90 minutes	ja
FM 7	Gender Analysis in Economics/Gender Analysen in der Ökonomik	6	None/keine	Term paper, 30,000 ces/ Hausarbeit 30,000 ZoL	ja
FM 8	Marketing in the Agribusiness and Food Sector	6	none	Written exam, 90 minutes, or oral exam, 20 minutes	ja
FM 9	Agricultural Land Markets	6	none	Oral exam, 30 minutes	ja
FM 10	Controlling und Informationsmanagement	6	keine	Mündliche Prüfung, 30 Minuten	ja
FM 11	Introduction to Simulation Models in Market and Policy Analysis	6	Microeconomics (e.g. CM 3 or equivalent)	Written exam, 90 minutes, or oral exam, 30 minutes	ja
FM 12	Finanzierungstheorie	6	Keine	Mündliche Prüfung, 30 Minuten	ja
FM 13	Intermediate Computable General Equilibrium Modelling	6	Successful completion of FM 11 or equivalent	Written exam, 90 minutes, or oral exam, 30 minutes	ja
FM 14	Institutions and Instruments of Development Co-operation	6	none	Term paper, ca. 30,000 ces	ja
FM 15	International Agricultural Trade and Development Research Seminar	6	none	Term paper, ca. 45,000 ces	ja
FM 16	Cooperation and Cooperative Organizations	6	none	Term paper, ca. 30,000 ces	ja
FM 17	Multifunctional Agricultural Land Use	6	none	Written exam (handwritten or PC), 90 minutes, or oral exam, 20 minutes	ja
FM 18	Steuerlehre und Gemeinnützigkeit	6	keine	Klausur, 90 Minuten	ja
FM 19	Participatory Rural Innovation and Knowledge Systems	6	none	Written exam, 90 minutes, or term paper, ca. 45,000 ces	ja
FM 20	Environmental Sociology and Environmental Policy	6	none	Oral Exam, 20 minutes	ja
FM 21	Human Resource Management	6	none	Mündliche Prüfung, 30 Minuten, oder Hausarbeit, ca. 30,000 ZoL	ja
FM 22	Qualitative Research Methods	6	none	Written exam, 90 minutes, or oral exam, 30 minutes, or term paper, ca. 35,000 ces	ja



FM 23	Umwelt- und Bioethik	6	keine	Hausarbeit, 35.000 ZoL	ja
FM 24	Studienprojekt/ Study Project	12	keine/none	Exam 1: term paper, ca. 45,000 ces; Exam 2: oral exam based on the term paper, 30 minutes per student	ja
FM 25	Special Topics in Agricultural Economics	6	none	Written exam, 90 minutes, or oral exam, 30 minutes, or term paper, ca. 45,000 ces	ja
FM 26	Topics in Agricultural and Food Policy	6	none	Written exam, 90 minutes, or oral exam, 30 minutes, or term paper, ca. 45,000 ces	ja
FM 27	Topics in Agricultural Business Economics	6	none	Written exam, 90 minutes, or oral exam, 30 minutes, or term paper, ca. 45,000 ces	ja
FM 28	Applied Data Analysis	6	none	Written exam (hand written or PC), 90 minutes, or oral exam, 20 minutes	ja
FM 29	Futures of Agriculture and Food	6	none	Group term paper, ca. 70,000 ces, or individual term paper, ca. 30,000 ces	
<b>Überfachlicher Wahlpflichtbereich</b> (30 LP)					
ÜF	Im überfachlichen Wahlpflichtbereich sind Module aus den hierfür vorgesehenen Modulkatalogen anderer Fächer oder zentraler Einrichtungen nach freier Wahl zu absolvieren.	30	Die Module werden nach den Bestimmungen der anderen Fächer bzw. zentralen Einrichtungen abgeschlossen. Über die Berücksichtigung der Leistungen entscheidet der Prüfungsausschuss.		Die Module werden ohne Note berücksichtigt.

**Überfachlicher Wahlpflichtbereich für andere Masterstudiengänge**

Nr. d. Moduls	Name des Moduls	LP des Moduls	Fachspezifische Zulassungsvoraussetzungen für die Prüfung	Form, Dauer/Bearbeitungszeit/Umfang, ggf. Sprache der Prüfung	Benotung
FM 16 (ÜF)	Cooperation and Cooperative Organizations	10	none	Term paper, ca. 40,000 ces	nein
FM 4 (ÜF)	Economics of Agricultural and Rural Development	10	none	Written exam, 90 minutes, or oral exam, 30 minutes	nein
FM 2 (ÜF)	European and International Agricultural Policy	10	none	Written exam, 90 minutes, or oral exam, 30 minutes	nein
FM 29 (ÜF)	Futures of Agriculture and Food	10	none	Individual term paper (30,000 ces) or multimedia exam (multimediale Prüfung), 15 minutes	nein