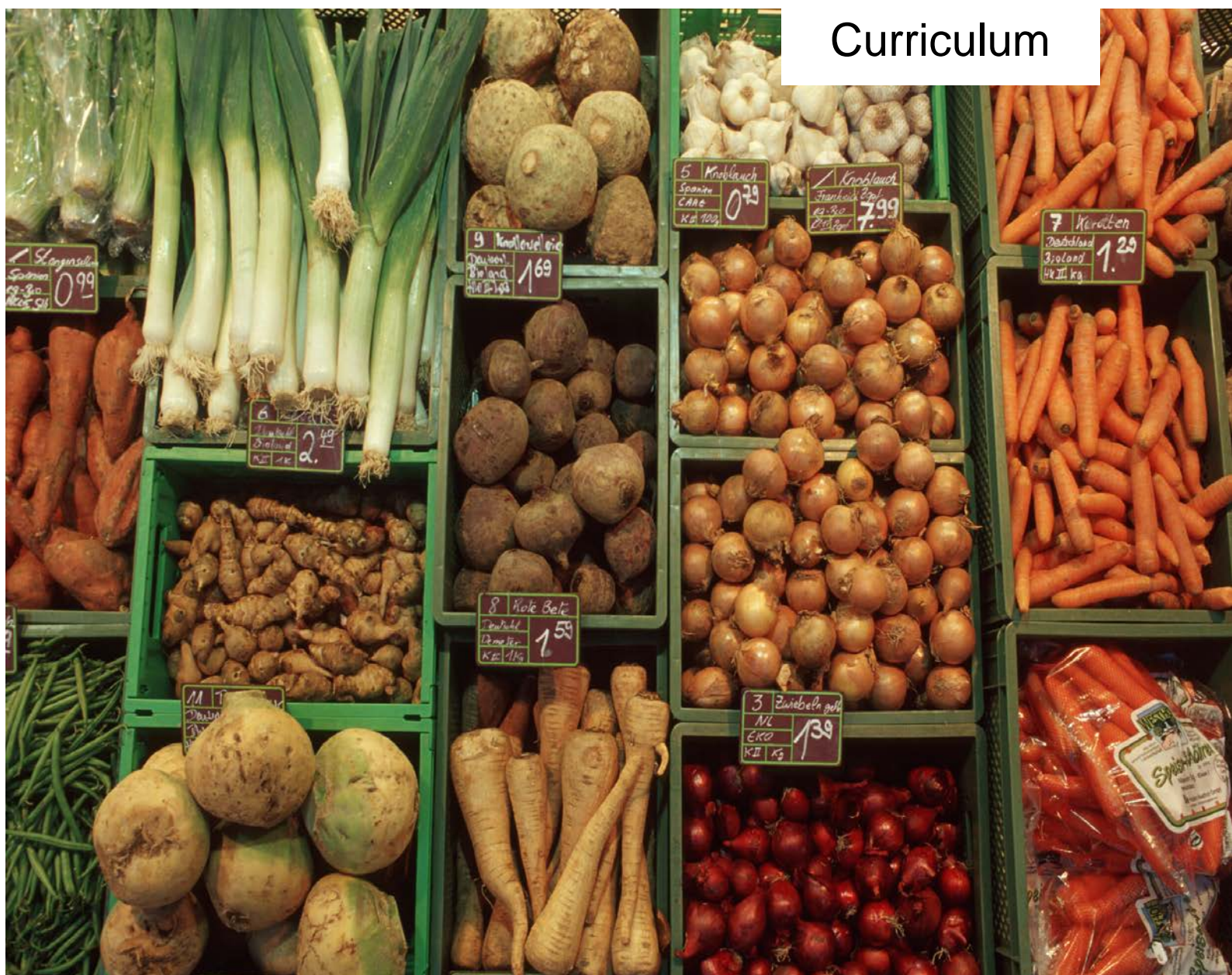


# Environmental Protection and Agricultural Food Production Master of Science

## Curriculum



**Contact:**

Katrin Winkler

Coordinator of the M.Sc. Program Environmental Protection and Agricultural Food Production Faculty of Agricultural Sciences (300)

University of Hohenheim

70593 Stuttgart, Germany

Phone: +49 711 459 23305

Fax: +49 711 459 23315

e-mail: [envirofood@uni-hohenheim.de](mailto:envirofood@uni-hohenheim.de)

<http://www.uni-hohenheim.de/envirofood>

Edited by Dr. Karin Amler

Published by Faculty of Agricultural Sciences

Universität Hohenheim, 70593 Stuttgart, Germany

Print: University of Hohenheim

## Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with comprehensive information about the M.Sc. program „Environmental Protection and Agricultural Food Production“. It contains information about the course structure and summarises the most important exam regulations (issued the 16<sup>th</sup> of May 2014 including all changes until 18<sup>th</sup> of July 2016).

The information presented reflects the current situation. Titles and contents of compulsory and optional modules are sometimes subject to change. Due to administrative reasons, such changes can only be considered in printed materials with delay. For this reason, all information is supplied without liability.

If in doubt, please refer to the coordinator of the program ([envirofood@uni-hohenheim.de](mailto:envirofood@uni-hohenheim.de)) to obtain up-to-date information. For up-to-date module descriptions please refer to the web-pages at [uni-hohenheim.de/en/module-catalogue](http://uni-hohenheim.de/en/module-catalogue). Time schedules and lecture halls of all courses are displayed in the Course Catalogue of the University of Hohenheim, available at the beginning of each semester online on the university's homepage: [www.uni-hohenheim.de](http://www.uni-hohenheim.de).

## Table of Contents

Program Objectives .....	4
Program Design .....	4
Modules.....	5
Module Descriptions .....	5
Individual Timetable.....	5
Semester Duration and Lecture Times .....	6
Credit Point System.....	6
Modules with a Limited Number of Participants .....	7
Marks and Grades.....	7
Registering for Examinations .....	7
Examinations.....	8
Exam Repetition .....	8
Master Thesis.....	8
Evaluation of Modules .....	8
Academic Calendar .....	8
Teaching Staff .....	9
Mentoring .....	9
Study Abroad.....	9
Degree .....	9
Responsible Scientist .....	9
Contact.....	9
Form for a Study and Examination Plan .....	10
Blocked Modules and Block Periods.....	11
Explanation of Module Code.....	15
Lecture Periods and Examination Periods .....	16

## The Master Program *Environmental Protection and Agricultural Food Production* (EnviroFood)

### Program Objectives

How can we provide for the world's population today without exhausting the natural resources required by generations to come? This is one of the most pressing problems for us to solve. Food production relies increasingly on technical means of production and is already straining our natural resources to their limit. Nevertheless, food production is being intensified and the globalization of markets is speeding up this process. One of this century's major challenges is to intensify food production in an environmentally friendly and sustainable way. Complex problems particularly arise on the periphery of densely populated areas, where competing forms of land use have to be balanced (e.g. settlement, recreation, waste disposal). In attempts to handle these problems, we not only have to consider scientific and technical aspects, but also socio-economic, political, and legal ones. To this end, the University of Hohenheim has developed its M.Sc. program "Environmental Protection and Agricultural Food Production".

### Program Design

The two year M.Sc. program consists of 90 credits in thematic modules. Six modules are compulsory (37.5 credits) and a minimum of 18 credits has to be chosen from a list of semi-elective modules.

	1. Semester	2. Semester	3. Semester	4. Semester
<b>6 Credits</b>	<b>4402-440</b> (Gallmann) Agricultural Production and Residues	<b>3103-450</b> (Streck) Spatial Data Analysis with GIS	Elective module	<b>Master Thesis</b> (30 credits)
<b>6 Credits</b>	<b>3202-410</b> (Fangeier) Ecotoxicology and Environmental Analytics		Elective module	
<b>6 Credits</b>	<b>3103-510</b> (Streck) Environmental Modelling	Semi-elective module	Elective module	
<b>6 Credits</b>	<b>4605-460</b> (Hölzle) Environmental Microbiology, Parasitology and Microbial Ecol.	Semi-elective module	Elective module	
<b>6 Credits</b>	<b>4201-440</b> (Boysen) Economics and Environmental Policy	Semi-elective module	Elective module	

In order to allow students to create an individual profile, elective modules (at least 30 credits) can be chosen from the list of all master modules of the Faculty of Agriculture. Particularly recommended modules are listed on page 6. During a research semester a Master Thesis (30 credits) has to be done. Upon application, examination achievements of up to 30 credits can be recognised. The full program has an extent of 120 ECTS. The language of instruction is English and the program can be started in October (winter semester) each year.

## Modules

The six **compulsory modules** are:

Sem	Code	Name of Module	Duration	Credits	Professor
1	4402-440	<b>Agricultural Production and Residues</b>	1 semester	6	Gallmann
1b	1503-410	Food Technology and Residues	1 semester	6	Hausmann
1	3103-510	<b>Environmental Modeling</b> <i>(registration is mandatory!)</i>	1 semester	6	Streck
1	3202-410	<b>Ecotoxicology and Environmental Analytics</b>	1 semester	6	Fangmeier
1	4201-440	<b>Economics and Environmental Policy</b>	1 semester	6	Boysen
1	4605-460 4602-460	<b>Environmental Microbiology, Parasitology and Microbial Ecology</b>	1 semester	6	Hölzle
2	3103-450	<b>Spatial Data Analysis with GIS</b>	SS block 1	7,5	Streck

Three **semi-elective modules** have to be selected from the following list:

Sem	Code	Name of Module	Duration	Credits	Professor
2	3102-440*	Environmental Pollution and Soil Organisms	SS block 2	7,5	Kandeler
2	4906-420 <del>3802-420</del>	Biodiversity, Plant and Animal Genet. Resourc.	SS block 2	7,5	Rasche
2	4403-550	Postharvest Technology of Food and Biobased Products	SS block 2	7,5	Müller, J
2	4403-470	Renewable Energy for Rural Areas	SS block 3	7,5	Müller, J
2	3103-460	Environmental Science Project	SS block 4	7,5	Streck
2	1401-530 <del>4303-480</del>	Global Nutrition	SS block 4	7,5	Scherbaum
2	4403-410	<a href="#">Irrigation and Drainage Technology</a>	SS block 4	7,5	Müller, J
3	3003-410	Food Safety and Quality Chains	In March	6	Schöne
3	3004-410*	Inland Water Ecosystems	1 semester	6	Tremp
3	3202-420	Global Change Issues	1 semester	6	Fangmeier
3	4406-410	Waste Management and Waste Techniques	1 semester	6	Kranert
3	4906-410* <del>3802-410*</del>	Ecology and Agroecosystems	1 semester	6	Rasche
3	4907-410 <del>3803-410</del>	<a href="#">Natural Resource Use and Conservation in the Tropics and Subtropics</a>	1 semester	6	Asch
3	3103-410	<a href="#">Plant and Crop Modeling</a>	Blocked in March	6	Priesack
3	4303-470	<a href="#">Gender, Nutrition, and Right to Food</a>	Blocked in March	6	Lemke

SS = summer semester

\* Number of places is limited. Please register for participation per ILIAS

The **elective modules** can be chosen from the listing below or from the the complete catalogue of the Faculty of Agriculture's master courses at the University of Hohenheim ([uni-hohenheim.de/en/module-catalogue](http://uni-hohenheim.de/en/module-catalogue)). These options allow students to create their own study profile according to their career plans. On request to the examination board and with the approval of a mentor, modules can be chosen from other programs of the University of Hohenheim. With compulsory and elective modules together at least 90 credits have to be reached.

Suggestions for **elective modules**:

Sem	Code	Name of Module	Duration	Credits	Professor
1-4	3000-410	Portfolio-Module (Master) (not graded)(see ILIAS*)	open	1 – 7.5	Müller, T.
2	1401-490	Food Security	SS Block 3	7.5	Biesalski
3	3102-410	Environmental Microbiology	1 semester	6	Kandeler
3	4302-420	Ethical Reflection on Food and Agriculture **	1 Semester	6	Bieling
3	4302-450	Emotions in Public Discourses on Food and Agriculture **	blocked in March	6	Bieling

\* [https://ilias.uni-hohenheim.de/goto.php?target=crs\\_318386&client\\_id=UHOH](https://ilias.uni-hohenheim.de/goto.php?target=crs_318386&client_id=UHOH)

\*\* Number of places is limited. Please register for participation per ILIAS

The program follows a modular course structure. A typical semester consists of 30 credits. The modules of the first and third semester last the full length of the semester. The modules of the second semester are offered as blocked courses, each including three weeks of instruction, one week of individual preparation, and an exam at the end of week four.

Each module of 6 credits corresponds to a workload of 4 SWS (weekly contact hours per semester), which is 56 contact hours per module. Each module of 7.5 credits corresponds to a workload of 5 SWS (weekly contact hours per semester), which is 70 contact hours per module. In addition time for preparation at home is needed, summing up to a total workload of about 160 hours for one module of 6 credits and 200 hours for one module of 7.5 credits. Each module may consist of different forms of teaching (e.g. seminar, lecture, practical, excursions).

**Module Descriptions** For the contents of all modules: [uni-hohenheim.de/en/module-catalogue](http://uni-hohenheim.de/en/module-catalogue)

**Individual Timetable** The Course Catalogue of University of Hohenheim contains information on times, lecturers and lecture rooms of all courses and is available at the beginning of each semester online at the university's homepage: [www.uni-hohenheim.de](http://www.uni-hohenheim.de). It is linked to the Module Descriptions. A tool to compose an individual timetable is available on the Intranet. Mind: especially non-blocked modules often consist of more than one course.

The examination result is expressed in grades and marks. The highest score is 1.0. A score of 4.0 is required for passing.

The end score is calculated as a weighted average score according to the credits achieved in all modules and the Master Thesis.

**Semester Duration and Lecture Times** A semester lasts 14 weeks (winter as well as summer semester). The lectures usually begin 15 minutes after the defined start time indicated in the course catalogue (c.t.=lat.: cum tempore =“with time”). Therefore, a lecture with a defined start time at 9 c.t. starts at 9:15. If a lecture starts on time at 9:00, there will be an indication 9 s.t. (lat.: sine tempore = „without time“).

**Credit Point System** With each completed module the students earn credits for the workload associated with each module. The M.Sc. program has a requirement of

120 credits in total. The credit point system used in the M.Sc. program is fully compatible with the European Credit Transfer System, ECTS.

**Modules with Limited Number of Participants** Some modules can accept only a limited number of participants due to space constraints or supervision regulations. In this case, it is necessary to register for the module in advance. If there is a limited number of participants, this will be stated under the “comments” (“Anmerkungen”) section of the module description. Please check before lectures start, whether the modules you have chosen have a limited number of participants or not. ([uni-hohenheim.de/en/module-catalogue](http://uni-hohenheim.de/en/module-catalogue)). Each module with a limited number of participants is set up as a course on the e-learning platform ILIAS (<https://ilias.uni-hohenheim.de/>). You have to register there and you can read there how the spots are allocated on ILIAS. In general, the following applies: Students for whom the respective module is compulsory or the last module that needs to be completed to finish a degree program, must always be admitted. If you have not yet enrolled by the end of the registration period and do not yet have access to ILIAS, please contact the degree program coordinator. She will register you for the module.

For blocked modules with a limited number of participants in block period 1, the registration starts at least two weeks before the start of the lecture period and ends eight days before the lecture period. For all other modules with a limited number of participants, the registration period starts at least one week before the start of the lecture period and ends at the end of the first week after the start of the lecture period.

Please mind: the ILIAS registration is only for participation and NOT a registration for the examination!

**Marks and Grades**

	marks and grades		
	grades	mark	
<i>excellent performance</i>	<i>very good</i>	A	1.0
		A-	1.3
<i>performance considerably exceeding the above average standard</i>	<i>good</i>	B+	1.7
		B	2.0
		B-	2.3
<i>performance meeting the average standard</i>	<i>medium</i>	C+	2.7
		C	3.0
		C-	3.3
<i>performance meeting minimum criteria</i>	<i>pass</i>	D+	3.7
		D	4.0
<i>performance not meeting minimum criteria</i>	<i>fail</i>	F	5.0

**Registering for Examinations**

Students have to register for the examinations of each semester at the examination office per *Studium Online* during the time period announced at the examination office. After registration a module cannot be dropped any more. When you have to register for an examination depends on whether it is a blocked or an non-blocked module. More information on examination periods and dates, deadlines for registration, withdrawal, and resits is given at the homepage of the examination office: <https://www.uni-hohenheim.de/en/exams>.

**Examinations**

Each module is examined upon completion. The examinations of the blocked modules are held at the end of the respective block period; those for the unblocked modules are held in the two examination periods that fol-

low the lectures. Withdrawal from the first trial of each module's examination is possible until 7 days before the examination date. The examination will be postponed to the next possible examination period.

The claim for examination expires if:

- an examination of one of the modules has not been passed by the end of the seventh semester at the latest,
- in one of the 15 modules an exam has to be repeated more than two times.

The claim for examinations does not expire if the candidate cannot be held responsible for the failure to comply with the deadline. The students themselves are responsible for complying with these examination deadlines as well as all other regulations given in the examination regulations. The examination regulations are distributed by the examination office.

Please mind that plagiarism, that means the take-over of text or phrases in a written examination (even within a partial performance) without quoting them accordingly, will be marked as attempt of deception and the respective examination performance is to be graded "fail" (F; mark 5.0). A declaration (<https://agrar.uni-hohenheim.de/en/plagiats>) has to be attached to homeworks, presentations, and to the thesis. The final digital text document has to be transferred to the mentoring supervisor.

### ***Exam Repetition***

In case of failure the examination office will inform the student via mail. Normally, the letter includes the repetition date. In some cases, the date for repetition has not been pointed out at the time of informing the students. Students are responsible themselves to check with the responsible professor or the examination office about dates for repeater exams. Usually repeater exams for blocked modules will be scheduled by the responsible professor within the same semester. Repeater exams in lectures will usually automatically be scheduled for the next examination period.

### ***Master Thesis***

The master thesis shall show that the candidate is able to work independently on a problem in the field of "Environmental Protection and Agricultural Food Production" within a fixed period of time by applying scientific methods. The exam consists of a written (thesis) and an oral (defense) part. The candidate has to defend the essential arguments, results and methods of the thesis in a colloquium of 30-45 minutes. The written part of the master thesis has to be completed within a period of six months. It is usually written during the fourth semester. Students should work on a practical problem closely cooperating with companies or institutions outside the university. Thesis work includes a literature review, new and original data derived from field work, a period of writing-up and, finally, a presentation. This work can be carried out either at Hohenheim University or at one of the various partner universities.

There are several possibilities for finding the right reviewer and the right topic. Sometimes you can find them using the published Final thesis topics ([www.uni-hohenheim.de/en/finaltheses](http://www.uni-hohenheim.de/en/finaltheses)), sometimes from the homepage of the department or institute, or you can talk directly to a professor.

The Master's thesis has to be registered at the latest three months after notification of the final passed module examination or at the start of the seventh semester. Otherwise it is graded "fail" (F; mark 5.0).

***Evaluation of Modules*** The quality of courses and modules is evaluated every year by the students of all study programs. The evaluation sheets are distributed and evaluated by the Faculty of Agricultural Sciences and the results are sent back to the lecturers in an **anonymous** format. The lecturers are asked to discuss the results with the students at the end of their courses.

### ***Academic calendar***

In the winter semester (WS) courses usually begin in week 42 and end in week 6 or 7 of the new year. In the summer semester (SS) courses usually begin the first Monday in April and end in week 30, 31, or 32. For un-



blocked modules the lecture period of each semester is followed by an examination period of three weeks. The last block period of each semester has an overlapping with this examination period of the unblocked modules.

### **Teaching Staff**

Most modules are organized and taught by professors of the University of Hohenheim, who have broad experience in international research. Students also benefit from Hohenheim's active links with academic partners worldwide. Guest speakers from partner universities as well as research, development and policy institutions cover additional topics, and thus enrich the curriculum with special fields of expertise.

### **Mentoring**

Mentors will advise students on designing a coherent individual study concept. The form on page 10 serves as a basis for a counseling interview. Fill in name, code, and credits of all modules and specify for each module if it is a compulsory (C), semi-elective (S), elective (E) or an additional (A) module for you. It is strongly recommended NOT to mix blocked and unblocked modules within one semester. The following scientists have been appointed as mentors for the current study profiles:

- Crop Farming & Landscape Ecology  
Prof. Dr. Fangmeier, Institute of Landscape and Plant Ecology (320b)
- Soil, Air and Water  
Prof. Dr. Streck, Institute of Soil Science (310d)
- Livestock & Public Health  
Prof. Dr. Hölzle, Institute of Environmental and Animal Hygiene and Veterinary Medicine (460)

### **Study abroad**

Students are encouraged to spend one semester in the second year at a partner university abroad, to gain additional experience and further strengthen their individual profile. Our credit point system is intended to facilitate the mutual acceptance of courses attended at different universities. Assessment is based on the European Credit Transfer System (ECTS), which facilitates such kind of international mobility. German students are strongly advised to spend a semester abroad. Particularly, the third semester is suitable for integrated study abroad. Students will preferably spend this time at one of the partner universities of the Euro League for Life Sciences: Universität für Bodenkultur Wien (BOKU), Austria; Royal Veterinary and Agricultural University (KVL), Denmark; Swedish University of Agricultural Sciences (SLU), Sweden; Wageningen University, Netherlands; Czech University of Agriculture (CUA), Czech Republic, Warsaw Agricultural University (SGGW), Poland. On the basis of an agreement on quality standards the members of the Euro League for Life Sciences have agreed to mutually recognize study achievements. Quantitative parity of study achievements is based on the European Credit Transfer System (ECTS). Students may also request to spend the semester at universities other than mentioned above.

### **Degree**

After successful completion of all modules as well as the thesis, the student is awarded the degree "Master of Science" (M.Sc.). This degree entitles the student to continuing with a Ph.D./doctoral program if the total grade is above average.

### **Responsible Scientist**

Prof. Dr. Thilo Streck  
Biogeophysics, Institute of Soil Science (310d)

### **Contact**

#### **Program Coordinator Environmental Protection and Agricultural Food Production**

Katrin Winkler, Faculty of Agricultural Sciences (300),  
Universität Hohenheim, 70593 Stuttgart, Germany

Phone: +49 711 459 23305

Fax: +49 711 459 23315

e-mail: [envirofood@uni-hohenheim.de](mailto:envirofood@uni-hohenheim.de)

<http://www.uni-hohenheim.de/envirofood>

# MSc-Studien- und Prüfungsplan | MSc Study and Examination Plan

Name: \_\_\_\_\_ Studiengang / Study Programme: \_\_\_\_\_

*Dieser Plan dient als Diskussionsgrundlage für ein Beratungsgespräch und ist danach für Ihre Unterlagen bestimmt. Geben Sie bei jedem Modul Modulerkennung, Modulname, Credits und Verbindlichkeit an. (P=Pflicht-, WP=Wahlpflicht-, W=Wahl-, Z=Zusatzmodul). Es wird dringend empfohlen, in einem Semester entweder nur geblockte oder ungeblockte Module zu belegen. **Bitte achten Sie selbst darauf, bis zum Ende Ihres Studiums die für Ihren Studiengang erforderliche Anzahl von Wahlpflichtmodulen abzulegen.** | This document serves as a basis for a counselling interview. Keep it with your own study documents afterwards. Fill in name, code, and credits of all modules and specify for each module if it is a compulsory (C), semi-elective (S), elective (E) or an additional (A) module for you. It is strongly recommended NOT to mix blocked and unblocked modules within one semester. **It is within your own responsibility to achieve the minimum amount of semi-elective modules required for your study programme until the end of your studies.***

1. Semester WS / SS: .....	Verbindlichkeit   Bindingness	Credits	2. Semester: WS / SS: .....	Verbindlichkeit   Bindingness	Credits	3. Semester: WS / SS: .....	Verbindlichkeit   Bindingness	Credits	4. Semester: WS / SS: .....	Verbindlichkeit   Bindingness	Credits
<b>Σ Semester-Credits</b>	X		X	X		X	X		X	X	

# Geblockte Module der Fakultät Agrarwissenschaften für das Wintersemester 2016/17

## Blocked Modules in Winter Semester 2016/17

05.08.2016

● = Pflicht/Compulsory    ◐ = Wahlpflicht/Semi-elective    ○ = Wahl/Elective

Blockperiode / Period	Block 1 (7.5 credits!)	Block 2 (7.5 credits!)	Block 3 (7.5 credits!)	Block 4 (7.5 credits!)	März-Block/ March Block
Studiengang / Study Course	17.10. - 11.11.2016	14.11. - 09.12.2016	12.12.16 – 22.12.16/ 09.01. – 20.01.2017	23.01. - 17.02.2017	i.d.R 27.02.- 21.03.2017
<b>B.Sc. Agrarwissenschaften</b>					◐ 4402-210 (Jungbluth) Planung von Nutztierhaltungssystemen (6 credits) ○ 4606-220 (Weiler) Nutztiersystemmanagement – Schwein (6 credits)
<b>M.Sc. Agrarwissenschaften Tierwissenschaften</b>					◐ 4602-530 (Mosenthin) Futterwertbeurteilung, Futtermittelmikrobiologie und –mikroskopie (6 credits)
<b>M.Sc. EnviroFood</b>					◐ 3003-410 (Schöne) Food Safety and Quality Chains (6 credits) <i>Next time offered in March 2018!</i>
<b>M.Sc. Landscape Ecology</b>	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	○ 3201-420 (Schurr) Methods in Landscape and Plant Ecology (7.5 credits!)
<b>M.Sc EnvEuro Ecosystems and Biodiversity (alternative 2)</b>	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	◐ 3201-420 (Schurr) Methods in Landscape and Plant Ecology (7.5 credits!)
<b>M.Sc. Crop Sciences (3.Sem., blocked semester package)</b>	○ 3000-410 (Müller, T.) Portfolio Module (Master)	○ 2601-410 (Schaller) Pflanze-Pathogen Interaktionen (5 Plätze für CS)	○ 2602-500 (Schulze) Regulatorische Prinzipien pflanzlicher Signaltransduktionswege (5 Plätze für CS)	○ 2203-410 (Steidle) <a href="#">Chemische Signale bei Tieren</a> (3 Plätze für CS)	○ 3103-410 (Streck) Plant and Crop Modeling (6 credits) ○ 2302-410 (Hanke) Spring School "Extreme Environments" (7.5 credits!) (20.02.-17.03.17)
<b>Sonstige M.Sc./Other M.Sc.</b>					○ 4909-430 (Focken) Experimental Aquaculture (27.02.-10.03. at Ahrensburg) (6 credits) ○ 4303-470 (Lemke) Gender, Nutrition, and Right to Food (6 credits!)
					○ 4302-450 (Bieling) Emotions in Public Discourses on Food and Agriculture (6 credits!)

Check module descriptions for how to register for participation (<https://www.uni-hohenheim.de/modulkatalog.html>)

# Blocked Modules in Summer Semester 2017

05.08.2016

● = Pflicht/Compulsory   ◐ = Wahlpflicht/Semi-elective   ○ = Wahl/Elective

Blockperiode / Period	Block 1 (7,5 credits)	Block 2 (7,5 credits)	Block 3 (7,5 credits)	Block 4 (7,5 credits)	By arrangement (7,5 credits)
Studiengang / Study Course	03.04. - 28.04.2017	02.05. - 26.05.2017	29.05. - 02.06.2017 / 12.06. - 30.06.2017	03.07. - 28.07.2017	
M.Sc. Agrarwissenschaften Bodenwissenschaften	◐ 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	◐ 3101-580 (Rennert) Boden- schutz, Bodenbewertung, - sanierung	● 3101-430 (Rennert) Integr. bodenw. Projekt f. Fortgeschr. / Interdiscipl. Advanced Soil Science Project (Engl.+ Ger.)	◐ 3102-420 (Kandeler) Bodenwissenschaftliches Expe- riment/Project in Soil Sciences (Engl.+ Ger.)
	◐ 3102-450 (Kandeler) Molecular Soil Ecology	◐ 3101-560 (Rennert) Soils of the World	◐ 3101-570 (Herrmann) Boden- und veg.kundl. Geländeübung / Field Course Soils + Vegetation	○ 3101-450 (Herrmann) Große pedologische Geländeübung / Major Pedological Field Trip (Engl.+ Ger.) (September)	
	◐ 3201-620 (Schmieder) Vege- tation and Soils of Centr. Europe				
M.Sc. Agrarwissenschaften		○ 4605-500 (Beyer) Biologische Sicherheit und Gen- technikrecht	◐ 7301-410(Rosenkranz) Bienen	○ 4604-420 (Steffl) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
		○ 7301-400 (Rosenkranz) Soziale Insekten (10 Plätze für Fak. A)			
Tierwissenschaften: Profil Ernährung und Futtermittel	◐ 4602-410 (Mosenthin) Methoden zur Analytik und Qua- litätsbeurt. von Futtermitteln	◐ 4601-430 (Rodehutsord) Tra- cer Techniques in Animal Nutri- tion		◐ 4601-450 (Rodehutsord.) Spezielle Ernährung der Wie- derkäufer	
Tierwissenschaften: Profil Genomik und Züchtung		◐ 4607-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◐ 4608-420 (Hasselmann) Molekulare Evolution und Popu- lationsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◐ 4606-490 (Stefanski) Verhaltensbiologie	◐ 4606-420 (Stefanski) Immunologie und Infektionsbio- logie (nicht Block 3)	◐ 4604-410 (Huber) Leistungs- assoziierte Stoffwechselstörungen bei landw. Nutztieren (nicht Bl.2)	◐ 4605-490 (Hölzle) Spezielle Tierhygiene	
M.Sc. Agrarwissenschaften Agricultural Economics	○ 4202-420 (Becker) Question- naire Design and Data Analysis in SPSS (partly blocked!)				
M.Sc. AgriTropics	● 4907-440 (Asch) Interdiscipl. Practical Science Training (AgriTropics only!)	○ 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4909-420 (Dickhöfer) Quanti- tative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ 4908-430 (Valle Zárate) Live- stock Breeding Programmes	○ 4605-450 (Hölzle) Food Safe- ty a. Drinking Water Quality re- lated to Zoonoses in the T+S	○ 4908-420 (Valle Zárate) Pro- motion of Livestock in Trop. En- vironments	
Crop		○ 4905-430 (Cadisch) Integrated Agricultural Produc- tion Systems	○ 4907-430 (Asch) Crop Production Affecting the Hy- drological Cycle	○ 4907-420 (Asch) Ecophysiology of Crops in the Tropics and Subtropics	
		○ 3101-560 (Rennert) Soils of the World	○ 3501-480 (Melchinger) Breeding of Trop., Ornamental, and Vegetable Plants		
Engineering		○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Products	○ 4403-470 (Müller, J.) Renewable Energy for Rural Ar- eas	○ 4403-410 (Müller, J.) Irrigation and Drainage Technology	

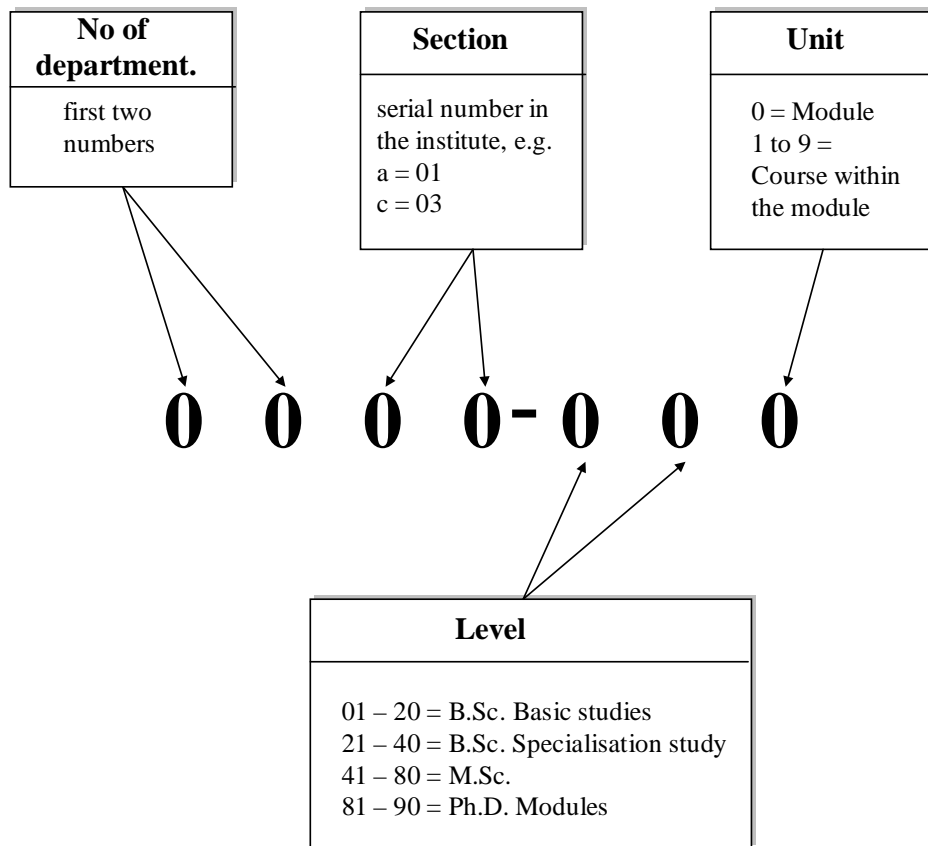
Economics			○ 4901-410 (Zeller) Rural Development Policy and Institutions	○ 1401-530 (Scherbaum) Global Nutrition	
<b>M.Sc. Crop Sciences</b> (blocked semester packages)	○ 2601-430 (Schaller) Entwicklungsbiologie der Pflanzen (5 Plätze für CS)	○ 1101-410 (Kügler) Applied Mathematics for the Life Sciences II (5 Plätze für CS)	Sofern Zulassung möglich: ggf. Kombination der beiden Virologie-Module 2402-410 und 2402-420 in Block 3 und 4	○ 2202-400 (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molec. Interactions a. Evolution (8 Pl. UHOH)	
		○ 4605-500 (Beyer) Biologische Sicherheit und Gentechnikrecht			
	○ 3102-450 (Kandeler) Molecular Soil Ecology	○ 4905-430 (Cadisch) Integr. Agricultural Production Systems	○ 4907-430 (Asch) Crop Prod. Affecting the Hydrological Cycle	○ 4907-420 (Asch) Ecophysiology of Crops in the T+S	○ 3603-500 (Zebitz) Exercises in Biological Pest Control
<b>M.Sc. EnviroFood</b>	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4605-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	● 1401-530 (Scherbaum) Global Nutrition	
		● 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Products	○ 1401-490 (Biesalski) Food Security	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
<b>M.Sc. EnvEuro</b> Environm. Impacts	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	
		● 3101-560 (Rennert) Soils of the World	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Environm. Management	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 4905-430 (Cadisch) Integrated Agricultural Production Systems	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Soil Resources and Land Use	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3101-560 (Rennert) Soils of the World	● 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	● 3301-480 (Müller, T.) Fertilisation and Soil Fertility Management in the T. and S.
		● 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	○ 3102-420 (Kandeler) Bodenkundl. Experiment/Project in Soil Sciences (Engl.+ Ger.)
Ecosystems and Biodiversity	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3201-590 (Schurr) Combining Ecological Models and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3103-460 (Streck) Environmental Science Project	
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 3201-600 (Schurr) Intensive Course Landscape Ecology	
<b>M.Sc. Landscape Ecology</b>	● 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	● 3201-590 (Schurr) Combining Ecological Models and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3201-600 (Schurr) Intensive Course Landscape Ecology	
	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3101-560 (Rennert) Soils of the World	● 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle		
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4303-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services		

Check module descriptions for how to register for participation (<https://www.uni-hohenheim.de/modulkatalog.html>)

# Module Duration within all Master's Programs of the Faculty of Agricultural Sciences

Master's Program		Semester Structure				
Program	Specialisation	Language	Winter Semester 1 (Compulsory-/SE)	Summer Semester1 (Compulsory/SE/Elective)	Winter Semester 2 (Compulsory/SE/Elective)	Summer Semester 2
AW	Agrartechnik	German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Bodenwissenschaften	German	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Pflanzenproduktionssysteme	German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Tierwissenschaften	German	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
Agribusiness		German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
NawaRo		German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
Crop Sciences	Plant breeding & seed scien.	English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Plant nutrition & protection		Whole Semester	Package Fak. A and/or N	Package Fak. A or N	Master's-Thesis
AgriTropics		English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
AgEcon		English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
Landscape Ecology		English	4 Weeks Blocked	4 Weeks Blocked	Whole Semester	Master's-Thesis
EnviroFood		English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
Bioeconomy		English	Whole Semester	Whole Semester	Package Fak. W/A or N	
<b>Double Degree Specialisation</b>						
EnvEuro	Ecosystems & Biodiversity	English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Impacts		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Management		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Climate Change		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Soil Resources & Land Use		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
EurOrganic		English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis

# Explanation of Module Code



# Lecture Periods

<b>WS 16/17</b>	<b>First day of <u>un</u>-blocked modules:</b>	(42. KW) Monday, 17.10.2016
	<b>First day of blocked modules:</b>	(42. KW) Monday, 17.10.2016
	<b>Last day of <u>un</u>-blocked modules:</b>	(5. KW) Saturday, 04.02.2017
	<b>Last day of blocked modules:</b>	(6. KW) Friday, 17.02.2017
<b>SS 17</b>	<b>First day of blocked modules:</b>	(14. KW) Monday, 03.04.2017
	<b>First day of <u>un</u>-blocked modules:</b>	(14. KW) Monday, 03.04.2017
	<b>Last day of <u>un</u>-blocked modules:</b>	(28. KW) Saturday, 15.07.2017
	<b>Last day of blocked modules:</b>	(30. KW) Friday, 28.07.2017

**Free of lectures:** All Saints' Day: Sun, 01.11.2016, Christmas holidays: Fri, 23.12.2016 – Sat, 07.01.2017, Easter holidays: Fri, 14.04. – Mon, 17.04.2017, Labour Day: Mon, 01.05.2017, Ascension Day: Thu, 25.05.2017, Pentecost: Tue, 06.06.2017 – Sat, 10.06.2017 (excursions might take place during that week!), Feast of Corpus Christi: Thu, 15.06.2017. "Dies Academicus" (probably 07.07.2017) will be free of lectures, too.

## Examination periods in winter semester 2016/17

**B.Sc. and M.Sc. period 1:** calendar week 6 to 8  
**B.Sc. and M.Sc.: period 2:** calendar week 12 to 13  
**Deadline for the registration for exams:** is fixed by the examination office

## Examination periods in summer semester 2017

**B.Sc. and M.Sc. period 1:** calendar week 29 to 31  
**B.Sc. and M.Sc.: period 2:** calendar week 39 to 41  
**Deadline for the registration for exams:** is fixed by the examination office

Questions concerning the examination regulations, the study and examination plan, withdrawal or transcripts of records are answered at the examination office and the exact dates of the module examinations are posted at the online notice-board of the examination office at: (<https://www.uni-hohenheim.de/en/exams>).