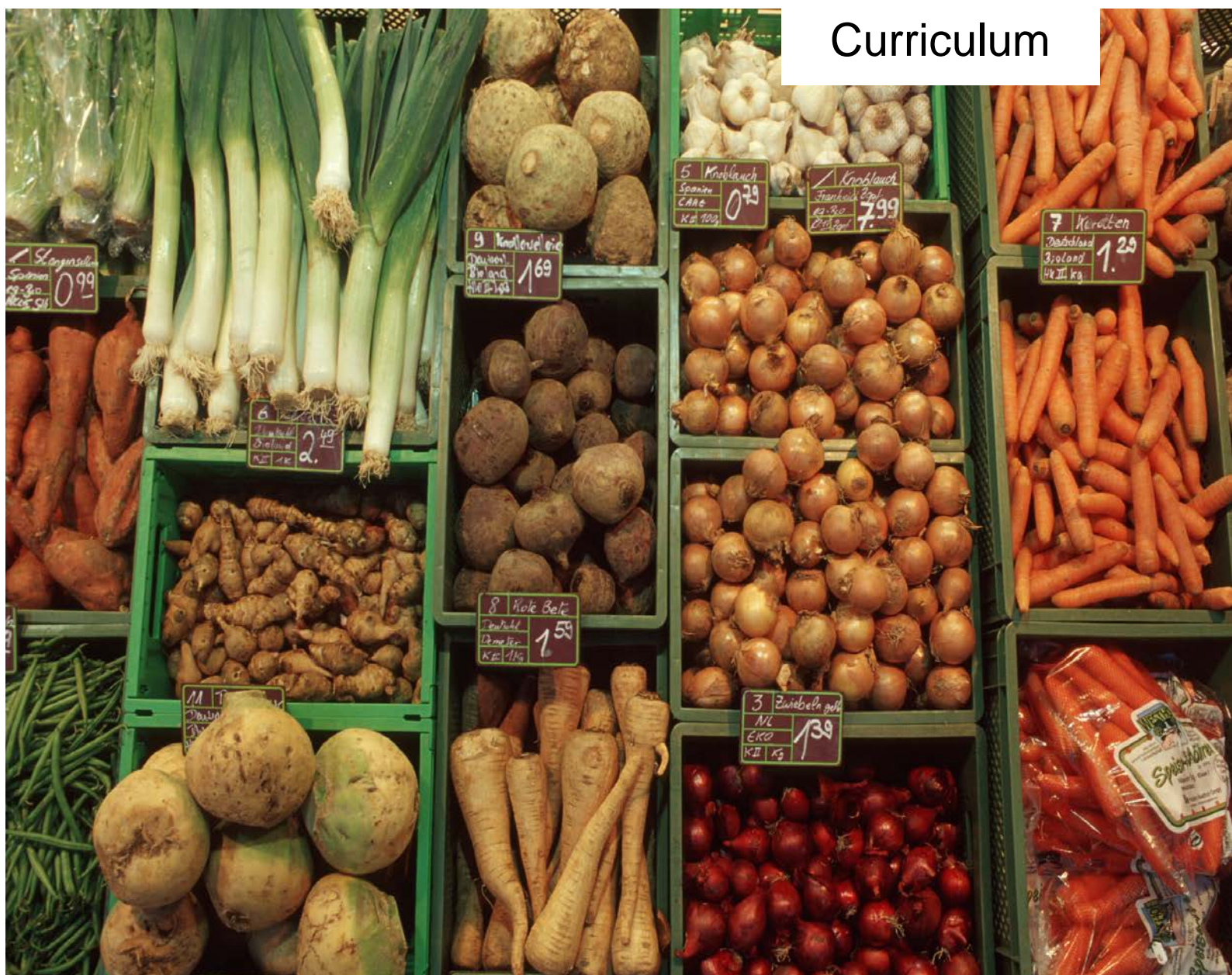


# Environmental Protection and Agricultural Food Production Master of Science

## Curriculum



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## 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 29<sup>th</sup> of July 2015).

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 [www.uni-hohenheim.de/modulkatalog](http://www.uni-hohenheim.de/modulkatalog). 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).

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## 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. For students with an academic background in food technology or nutrition sciences the module "Agricultural Production and Residues" is compulsory. Students with an academic background in agricultural or environmental sciences are obliged to take the module "Food Technology and Residues". Five more modules are compulsory (31.5 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
6 Credits	4402-440 (Gallmann) Agricultural Production and Residues/ or 1503-410 (Hausmann) Food Technology and Residues	3103-450 (Streck) Spatial Data Analysis with GIS	Elective module	<b>Master Thesis</b> (30 credits)
6 Credits	3202-410 (Fangeier) Ecotoxicology and Environmental Analytics		Elective module	
6 Credits	3103-510 (Streck) Environmental Modelling	Semi-elective module	Elective module	
6 Credits	4602-460 (Hölzle) Environmental Microbiology, Parasitology and Microbial Ecol.		Elective module	
6 Credits	4201-440 (Grethe) 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. 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
1a OR:	4402-440	Agricultural Production and Residues	1 semester	6	Gallmann
1b	1503-410	Food Technology and Residues	1 semester	6	Hausmann
1	3103-510	Environmental Modeling <i>(registration is mandatory!)</i>	1 semester	6	Streck
1	3202-410	Ecotoxicology and Environmental Analytics	1 semester	6	Fangmeier
1	4201-440	Economics and Environmental Policy	1 semester	6	Grethe
1	4602-460	Environmental Microbiology, Parasitology and Microbial Ecology	1 semester	6	Hölzle
2	3103-450	Spatial Data Analysis with GIS	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	3802-420	Biodiversity, Plant and Animal Genet. Resourc.	SS block 2	7,5	Sauerborn
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	4303-480	Global Nutrition	SS block 4	7,5	Lemke
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	<del>3202-430</del>	<del>Air Pollution and Air Pollution Control</del>	<del>1 semester</del>	<del>6</del>	<del>Fangmeier</del>
3	3202-420	Global Change Issues	1 semester	6	Fangmeier
3	4406-410	Waste Management and Waste Techniques	1 semester	6	Kranert
3	3802-410*	Ecology and Agroecosystems	1 semester	6	Rasche
3	3803-410	<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	Streck
3	4303-470	<a href="#">Gender, Nutrition, and Right to Food</a>	Blocked in March	6	Lemke

SS = summer semester

\* Limited number of participants. Please register for participation as described in the module catalogue.

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 ([www.uni-hohenheim.de/modulkatalog](http://www.uni-hohenheim.de/modulkatalog)). 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	<a href="#">Portfolio-Module (Master)</a>	Not defined	1 – 7.5	Müller, T.
2	1401-490	<a href="#">Food Security</a>	SS Block 3	7.5	Biesalski
3	3102-410	<a href="#">Environmental Microbiology</a>	1 semester	6	Kandeler

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 see: [www.uni-hohenheim.de/modulkatalog](http://www.uni-hohenheim.de/modulkatalog)

**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.

**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.

## 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

### Counselling Confirmation

Students have to seek advice of one of the mentors of the program on which elective modules are suitable for their individual profile. During the first month of study, a counselling confirmation has to be signed by a coordinator or mentor and handed in to the examination office, before registration for module examination is possible. After registration for examination a module cannot be dropped any more.

### Examinations

Performance is examined through continuous assessment. 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 follow the lectures. Students will be registered by signature automatically for the compulsory modules offered in the first and second semester. The registration for elective modules will take place at the end of the first semester through filling in an official form. Withdrawal on the first trial of each module's examination is possible up to 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 and a leaflet on registration (see: <https://pruefungsamt.uni-hohenheim.de>) 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 4.0). A declaration (<https://agrar.uni-hohenheim.de/plagiate.html?&L=1>) 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.

### ***Quality Assurance***

The quality of courses and modules is evaluated in a two year rotation 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 unblocked 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 & Mentoring***

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.

Mentors will advise students on designing a coherent individual study concept. The counselling confirmation has to be signed by a mentor or coordinator before it is handed in to the examination office. 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

**Professors in Charge of Compulsory Modules**

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

Prof. Dr. Fangmeier, Institute of Landscape and Plant Ecology (320b)

Prof. Dr. Grethe, Institute of Agricultural Policy and Agricultural Markets (420a)

Prof. Dr. Hölzle, Institute of Environmental and Animal Hygiene and Veterinary Medicine (460)

PD. Dr. Gallmann, Institute of Agricultural Engineering (440)

Prof. Dr. Becker, T., Institute for Agricultural Policy and Agricultural Markets (420)

Prof. Dr. Hausmann, Bioprocess Engineering (150k)

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

Master's Program		Semester Structure from WS 14/15 on				
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

# Geblockte Module der Fakultät Agrarwissenschaften für das Wintersemester 2015/16

## Blocked Modules in Winter Semester 2015/16

27.08.2015

● = 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 (6 credits!)
Studiengang / Study Course	12.10. - 06.11.2015	09.11. - 04.12.2015	07.12.15 – 22.12.15/ 07.01. – 15.01.2016	18.01. - 12.02.2016	
<b>B.Sc. Agrarwissenschaften</b>					◐ 4402-210 (Jungbluth) Planung von Nutztierhaltungssystemen (29.02.-22.03.16)
					○ 4701-220 (Weiler) Nutztiersystemmanagement – Schwein (29.02.-22.03.16)
<b>M.Sc. Agrarwissenschaften</b> Tierwissenschaften					◐ 4502-410 (Mosenthin) Futterwertbeurteilung, Futtermittelmikrobiologie und –mikroskopie (29.02.-22.03.16)
<b>M.Sc. EnviroFood</b>					◐ 3003-410 (Schöne) Food Safety and Quality Chains (29.02.-11.03. + 22.03.16)
<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	
<b>M.Sc. Crop Sciences</b> (3.Sem., blocked semester package)	○ 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)	◐ <del>3503-460 (Scholten) Molecular Plant Genetics</del> 2203-410 (Steidle) <a href="#">Chemische Signale bei Tieren</a>	○ 3103-410 (Streck) Plant and Crop Modeling (07.03.-17.03.16)
<b>Sonstige M.Sc./Other M.Sc.</b>					○ 4802-470 (Focken) Experimental Aquaculture (07.-18.03.16 at Ahrensburg)
					○ 4303-470 (Lemke) Gender, Nutrition, and Right to Food (29.02.-22.03.16)

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

# Blocked Modules in Summer Semester 2016

27.08.2015

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

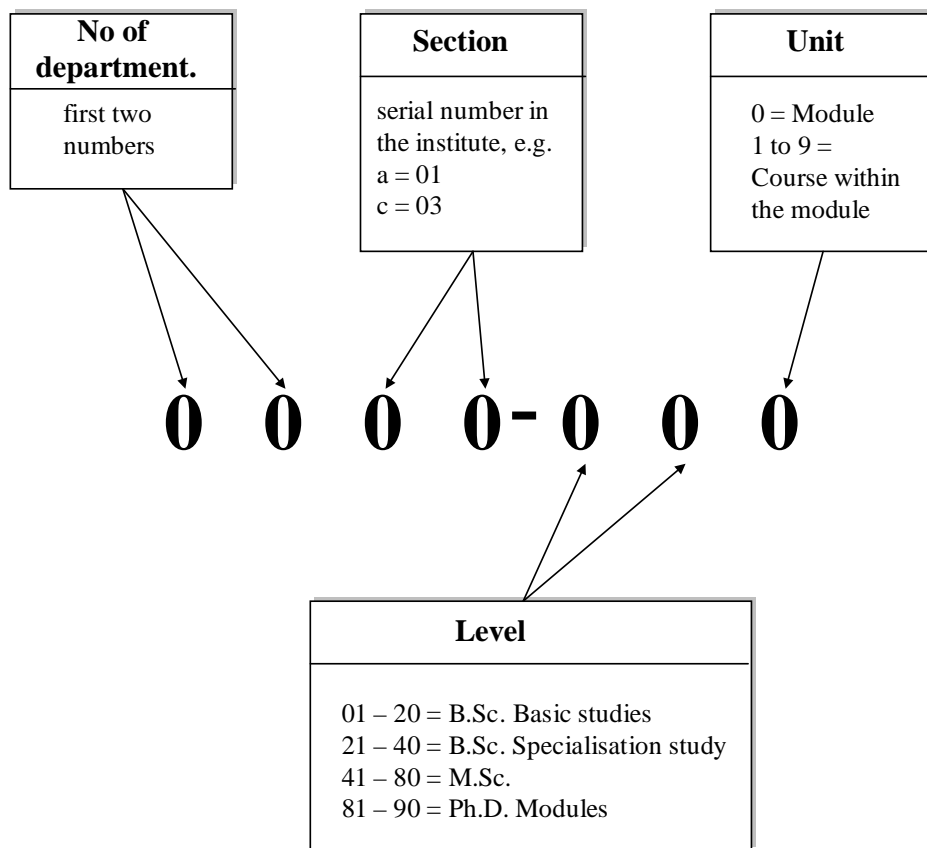
Blockperiode / Period	Block 1 (7,5 credits)	Block 2 (7,5 credits)	Block 3 (7,5 credits)	Block 4 (7,5 credits)	By arrangement (7,5 credits)
Studiengang / Study Course	04.04. - 29.04.2016	02.05. - 13.05. / 23.05. - 03.06.2016	06.06. - 01.07.2016	04.07. - 29.07.2016	
<b>M.Sc. Agrarwissenschaften Bodenwissenschaften</b>	◐ 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 Experi- ment/Project in Soil Sciences (Engl.+ Ger.) ○ 3101-450 (Herrmann) Große pedologische Geländeübung / Major Pedological Field Trip (Engl.+ Ger.) (September)
	◐ 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		
	◐ 3201-620 (Schmieder) Vege- tation and Soils of Centr. Europe				
<b>M.Sc. Agrarwissenschaften</b>		○ 4602-500 (Beyer) Biologische Sicherheit und Gen- technikrecht	◐ 7301-410 (Rosenkranz) Bienen	○ 4601-420 (Steffil) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
		○ 7301-400 (Rosenkranz) Soziale Insekten (10 Plätze für Fak. A)	◐ 4701-480 (Stefanski) Verhal- tensphysiologie und Immunobi- ologie		
Tierwissenschaften: Profil Ernährung und Futtermittel	◐ 4502-430 (Mosenthin) Methoden zur Analytik und Qua- litätsbeurt. von Futtermitteln	◐ 4601-430 (Rodehutschord) Tracer Techniques in Animal Nutrition		◐ 4501-450 (Rodehutschord.) Spezielle Ernährung Wieder- käufer	
Tierwissenschaften: Profil Genomik und Züchtung		◐ 4702-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◐ 4608-420 Hasselmann). Mo- lekulare Evolution und Populati- onsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◐ 4701-490 (Stefanski) Verhaltensbiologie	◐ 4604-410 (Huber) Anatori- sche und physiologische Aspek- te in den Nutztierwissenschaften	◐ 4606-420 (Stefanski) Immunologie und Infektionsbio- logie	◐ 4602-490 (Hölzle) Spezielle Tierhygiene	
<b>Agrarwissenschaften Agricultural Economics</b>	○ 4202-420 (Becker) Question- naire Design and Data Analysis in SPSS (partly blocked!)				
<b>M.Sc. AgriTropics</b>	● 3803-470 (Asch) Interdiscipl. Practical Science Training (AgriTropics only!)	○ 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4802-450 (Dickhöfer) Quanti- tative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ 4801-430 (Valle Zárate) Live- stock Breeding Programs	○ 4602-450 (Hölzle) Food Safe- ty a. Drinking Water Quality re- lated to Zoonoses in the T+S	○ 4801-420 (Valle Zárate) Pro- motion of Livestock in Trop. En- vironments	
Crop		○ 3801-430 (Cadisch) Integrated Agricultural Produc- tion Systems	○ 3803-450 (Asch) Crop Production Affecting the Hy- drological Cycle	○ 3803-430 (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 Deve- lopment 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)	○ 4602-500 (Beyer) Biologische Sicherheit und Gentechnikrecht		○ 1101-430 (Kügler) Modelling and Simulation of Biochemical Reaction Networks (5 Plätze für CS)	← ○ 2202-400 (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molec. Interactions a. Evolution (8 Pl. UHOH)
	○ 3102-450 (Kandeler) Molecular Soil Ecology	○ 3801-430 (Cadisch) Integr. Agricultural Production Systems	○ 3803-450 (Asch) Crop Prod. Affecting the Hydrological Cycle	○ 3803-430 (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 Poll.a.Soil Organisms	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4602-450 (Hözl) 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. Landscape Ecology</b>	● 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	● 3201-590 (Schurr) Combining Ecological Modells 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	● 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle		
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4303-4X0 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services		
<b>M.Sc. EnvEuro</b> Environm. Impacts	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 3803-450 (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	● 3801-430 (Cadisch) Integrated Agricultural Production Systems	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 3802-420 (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	● 3803-450 (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.)
Climate Change	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	
			● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3803-430 (Asch) Ecophysiology of Crops in the T+S	
			○ 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Ecosystems and Biodiversity	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3201-590 (Schurr) Combining Ecological Modells and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3103-460 (Streck) Environmental Science Project	
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 3201-600 (Schurr) Intensive Course Landscape Ecology	

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

<b>Day</b> <b>Hour</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>8 - 9</b>					
<b>9 - 10</b>					
<b>10 - 11</b>					
<b>11 - 12</b>					
<b>12 - 13</b>					
<b>13 - 14</b>					
<b>14 - 15</b>					
<b>15 - 16</b>					
<b>16 - 17</b>					
<b>17 - 18</b>					

# Explanation of Module Code



# Lecture Periods

<b>WS 15/16</b>	<b>First day of <u>un</u>-blocked modules:</b>	(42. KW) Monday, 12.10.2015
	<b>First day of blocked modules:</b>	(42. KW) Monday, 12.10.2015
	<b>Last day of <u>un</u>-blocked modules:</b>	(5. KW) Saturday, 01.02.2016
	<b>Last day of blocked modules:</b>	(6. KW) Friday, 12.02.2016
<b>SS 16</b>	<b>First day of blocked modules:</b>	(14. KW) Monday, 04.04.2016
	<b>First day of <u>un</u>-blocked modules:</b>	(14. KW) Monday, 04.04.2016
	<b>Last day of <u>un</u>-blocked modules:</b>	(28. KW) Saturday, 16.07.2016
	<b>Last day of blocked modules:</b>	(30. KW) Friday, 29.07.2016

**Free of lectures:** All Saints' Day: Sun 01.11.2015, Christmas holidays: Wed 23.12.2015 – Wed 06.01.2016, Easter holidays: Fri 25.03. – Mon 28.03.2016, Labour Day: Sun 01.05.2016, Ascension Day: Thu 05.05.2016, Pentecost: Mon 16.05.2016 – Sat 21.05.2016 (excursions might take place during that week!), Feast of Corpus Christi: Thu 26.05.2016. The "Dies Academicus" (01.07.2016) will be free of lectures too.

## Examination periods in winter semester 2015/16

**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 2016

**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/pruefung.html?&L=1>).