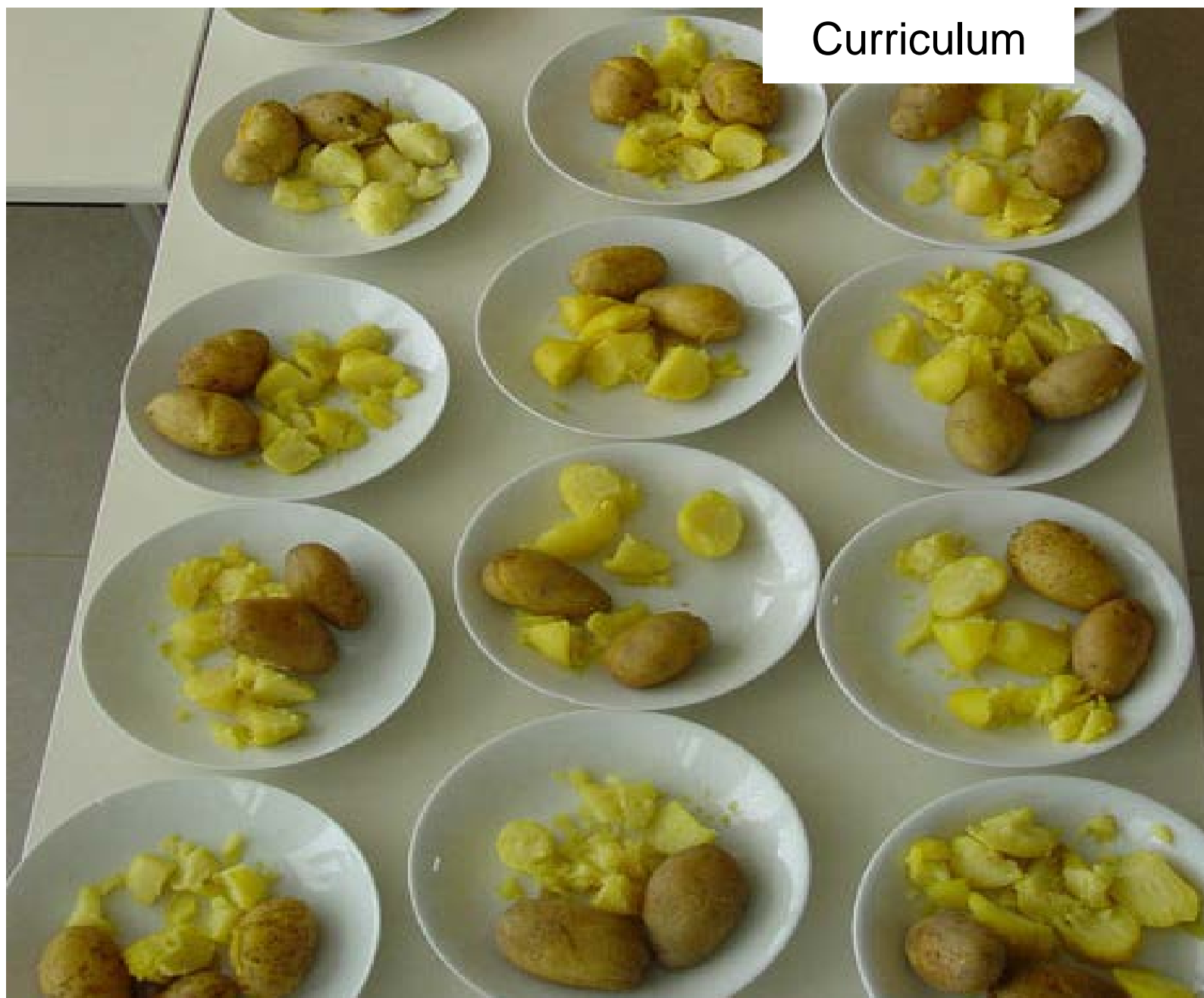


Environmental Protection and Agricultural  
Food Production  
Master of Science

Curriculum



August 2013

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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. programme „Environmental Protection and Agricultural Food Production“. It contains information about the course structure, summarises the most important exam regulations and admission requirements.

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 programme (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).

## Table of Contents

Programme Objectives .....	4
Programme Design.....	4
Modules.....	5
Course Catalogue.....	6
Course Contents .....	6
Credit Point System.....	6
Study and Examination Plan.....	7
Examinations and Exam Repetition .....	7
Master Thesis.....	8
Language of Instruction .....	8
Quality Assurance .....	8
Teaching Staff & Mentoring .....	8
Study Abroad.....	9
Degree .....	9
Responsible Scientist .....	9
Professors in Charge of Compulsory Modules.....	9
Contact.....	9
Block Periods .....	10
Blocked Modules Taught in English.....	11
Unblocked Modules Taught in English.....	13
Explanation of Module Code.....	14
Lecture Periods and Examination Periods .....	16

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

### **Programme Objectives**

The world's population increases by 80 million each year. Due to this continuous growth in population and changing living habits the demand for food increases as well. Producing these enormous amounts of food strains the world's natural resources to their limit. An increasing use of technical means of production reinforces this effect. Food production will be further intensified with the globalization of markets speeding up this process. One of this century's major challenges is to make this process as environmentally friendly, socially acceptable and economically effective, i.e. sustainable as possible. The concept of sustainability includes recycling of waste. In view of potential damage to the environment this has to be done with utmost care. Complex problems arise on the periphery of densely populated areas where competing forms of land use (settlement, recreation, recycling) have to be balanced.

EnviroFood is a transdisciplinary oriented degree course. Environmental systems analysis does not only have to consider scientific and technical but also socio-economic, political and administrative aspects. Our graduates will have acquired the necessary skills to analyse eco-systematic, economic, political and administrative interrelations beyond individual subject borders and develop integrative problem solutions. These skills will enable them to contribute to securing food quantity and quality by sustainably using natural resources and thus preventing damage to the environment.

### **Programme Design**

EnviroFood is a two-year degree course with a workload of 80 SWS (weekly hours per semester). The first 3 semesters cover a total of 60 SWS (lectures and seminars). During the final semester students work on their Master thesis. Performance is examined through continuous assessment. Exams are marked according to the European Credit Transfer System (ECTS).

In total 15 modules have to be completed successfully (7 compulsory, 3 semi-elective and 5 elective modules).

	<b>1. Semester</b>	<b>2. Semester</b>	<b>3. Semester</b>	<b>4. Semester</b>
<b>6 Credits</b>	<b>4402-440</b> (Gallmann) Agricultural Production and Residues/ or <b>1503-410</b> (Hausmann) Food Technology and Residues	Semi-elective module	Elective module	<b>Master Thesis</b> (30 credits)
<b>6 Credits</b>	<b>3202-410</b> (Fangeier) Ecotoxicology and Environmental Analytics	<b>3103-440</b> (Streck) Spatial Data Analysis with GIS	Elective module	
<b>6 Credits</b>	<b>3103-440</b> (Streck) Matter Cycling in Agro-Ecosystems	Semi-elective module	Elective module	
<b>6 Credits</b>	<b>4602-460</b> (Hölzle) Environmental Microbiology, Parasitology and Microbial Ecol.	<b>3103-460</b> (Streck) Environmental Science Project	Elective module	
<b>6 Credits</b>	<b>4201-440</b> (Grethe) Economics and Environmental Policy	Semi-elective module	Elective module	

## Modules

Most modules are offered as blocked courses lasting three and a half weeks (B1 to B5 = winter semester, B6 – B10 = summer). Some are not blocked and thus last the full length of the semester. Blocked modules will usually take place Monday to Friday from 2 p.m. to 6 p.m. Non-blocked modules will usually be taught in the morning. This shall enable students to combine blocked and unblocked modules. (Because of the limited number of lecture rooms, this aim can unfortunately not always be kept.) While working out your personal time-table, please be aware of the following facts: the morning is assigned for the personal preparation of the blocked modules too and the block periods B4, B5 and B9, B10 will have a relevant overlapping with the first examination period of the unblocked modules!

The seven **compulsory modules** are:

Sem	Modules	Block	Exam	Professor
1a)	4402-440 Agricultural Production and Residues	B 1	oral	Gallmann
1b)	1503-410 Food Technology and Residues	B1	written	Hausmann
1	4201-440 Economics and Environmental Policy	(WS)	written	Grethe
1	3202-410 Ecotoxicology and Environmental Analytics	B 2	written	Fangmeier
1	3103-440 Matter Cycling in Agroecosystems	B 3	written	Streck
1	4602-460 Environmental Microbiology, Parasitology and Microbial Ecology	B 4	written	Hölzle
2	3103-440 Spatial Data Analysis with GIS	B 7	written	Streck
2	3103-460 Environmental Science Project	B 9	oral + ICA	Streck

(WS) = Offered unblocked in each winter semester.

(SS) = Offered unblocked in each summer semester.

ICA = In-course-assessment

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”.

The module “Environmental Science Project” sets the frame for small groups of students (2-3) to organize themselves and work on a practical problem of environmental sciences. The aim is to overcome disciplinary boundaries.

Each module corresponds to a workload of 4 SWS (weekly contact hours per semester), which is 56 contact hours per module, and in addition at least the same time for preparation at home, summing up to a total workload of about 140-180 hours for one module. It may consist of different forms of teaching (e.g. seminar, lecture, practical, excursions).

Three **semi-elective modules** have to be selected from the catalogue of elective modules stated in the exam regulations (see listing below). Five **elective modules** can be chosen from the complete catalogue of the Faculty of Agriculture’s master courses modules. These options allow students to create their own study profile according to their career plans. Students will be advised on which modules are suitable for their individual profiles. A selection form with detailed instructions will be distributed among the students at the end of the first semester. At request, lectures/seminars offered

in other degree courses ([www.uni-hohenheim.de/modulkatalog](http://www.uni-hohenheim.de/modulkatalog)) may be selected as well, provided they have a modular structure, are continuously assessed and fit into the study profile.

**Catalogue of semi-elective modules:**

Sem	Modules	Block	Exam	Professor
2	4303-470 Gender, Nutrition, and Right to Food	(SS)	written + ICA	i.V. Lemke
2	4303-480 Global Nutrition	(SS)	written	i.V. Lemke
2	3102-440* Environmental Pollution and Soil Organisms	B 06	oral +ICA	Kandeler
2	3802-420 Biodiversity, Plant and Animal Genetic Resources	B 08	written	Sauerborn
2	4403-550 Postharvest Technology of Food and Biobased Prod.	B 08	written	Müller
2	4403-470 Renewable Energy for Rural Areas	B 09	written	Müller
3	3202-430 Air Pollution and Air Pollution Control	B 01	written	Fangmeier
3	3202-420 Global Change Issues	B 04	oral	Fangmeier
3	3003-410 Food Safety and Quality Chains	B 05	oral +ICA	Schöne
3	3004-410* Inland Water Ecosystems	B 05	written	Tremp
3	1201-410 Remote Sensing	(WS)	written or oral	Wulfmeyer
3	4406-410 Waste Management and Waste Techniques	(WS)	written	Kranert
3	3802-410* Ecology and Agroecosystems	B 02	written	Sauerborn
3	4403-530 Water and Soil Management in Agricultural Production	B 03	written	Müller

ICA = In-course-assessment

(WS) = Offered in each winter semester

(SS) = Offered in each summer semester

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

**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.

**Credit Point System** With each completed module the students earn 6 credits for the workload associated with each module. The M.Sc. programme has a requirement of 120 credits in total. The examination result is expressed in grades and marks. The highest score is 1.0 [grade A]. A score of 4.0 [grade D] 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.

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

	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

### **Study and Examination Plan**

Students have to seek advice of one of the mentors of the programme on which elective modules are suitable for their individual profile. During the first semester the candidate must have the study plan approved in which all chosen modules are mentioned. The study plan has to be signed by a co-ordinator or a mentor before it is handed in to the examination office. Exchanges of modules need to be approved. 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:

- a minimum of six modules has not been passed by the end of the second semester at the latest
- an examination of one of the modules has not been passed by the end of the sixth 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 at-

tached 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.

Important information concerning the topic of the master thesis: According to the examination regulations the candidate may choose a topic of a subject field of compulsory or elective modules, which he/she attended. The topic cannot be chosen of a subject field of an additional module.

### ***Quality Assurance***

The quality of courses and modules is evaluated in a two year rotation by the students of all study programmes. 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.

### ***Teaching Staff & Mentoring***

Most modules are organised 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 study and examination plan has to be signed by a mentor 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 programme if the total grade is above average.

**Responsible Scientist**

Prof. Dr. Thilo Streck  
Biogeographics

**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. Kahlus, Food Process Engineering (150c)

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## Block Periods 2013/2014

	<b>Block</b>	<b>Period</b>
<b>Winter Semester</b>	1	14.10. – 06.11.2013
	2	07.11. – 29.11.2013
	3	02.12. – 20.12.2013 + 07.01. – 08.01.2014
	4	09.01. – 31.01.2014
	5	03.02. – 25.02.2014
<b>Summer Semester</b>	6	01.04. – 25.04.2014
	7	28.04. – 21.05.2014
	8	22.05. – 06.06.2014 + 16.06. – 24.06.2014
	9	25.06. – 18.07.2014
	10	21.07. – 12.08.2014

**Important Advice for the Personal Time-Table:** Blocked modules will usually take place Monday to Friday from 2 p.m. to 6 p.m. Non-blocked modules will usually be taught in the morning. This shall enable students to combine blocked and unblocked modules. (Because of the limited number of lecture rooms, this aim can unfortunately not always be kept.) While working out your personal time-table, please be aware of the following facts: the morning is assigned for the personal preparation of the blocked modules too and the block periods B4, B5 and B9, B10 will have a relevant overlapping with the first examination period of the unblocked modules!

**Please check module descriptions for how to register for participation in each module!**

# Blocked Modules Winter Semester 2013/14

20.08.2013

● = Compulsory

◐ = Semi-elective

○ = Elective

Period	1 (17 days)	2 (17 days)	3 (17 days)	4 (17 days)	5 (17 days)	by Arrangement
Study Course	14.10. - 06.11.2013	07.11. - 29.11.2013	02.12. – 20.12.13 + 07. - 08.01.2014	09.01. - 31.01.2014	03.02. - 25.02.2014	
<b>M. Sc. AgEcon</b>	● 4904-460 (Berger) Farm System Modelling	● 4902-410 (Brockmeier) Applied Econometrics	◐ 4903-480 (Birner) Governance, Institut. and Organisat. Development	◐ 4301-410 (Knierim) Knowledge and Innovation Management	◐ 4201-420 (Grethe) Advanced Policy Analysis Modelling	
	◐ 4901-420 (Zeller) Poverty and Development Strategies	◐ 4904-450 (Berger) Farm and Project Evaluation	◐ 4902-420 (Brockmeier) Int. Food and Agr. Trade ◐ 4901-470 (Zeller) Quant.	◐ 4904-430 (Berger) Land Use Economics		
<b>M. Sc. AgriTropics</b>	● 4901-420 (Zeller) Poverty and Development Strategies	● 3802-410 (Sauerborn) Ecology and Agroecosystems	● 4403-580 (Müller, J.) Water and Soil Management in Agric. Production	● 3801-420 (Cadisch) Crop Production Systems	● 4801-450 (Valle Zárate) Livestock Production Systems ...	
	○ 4301-430 (Knierim) Rural Communication and Extension	○ 4904-450 (Berger) Farm and Project Evaluation	○ 4901-470 (Zeller) Quantitative Methods in Economics	○ 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	○ 3405-410 (Zikeli) Organic Farming in the Tropics and Subtropics	
	○ 3101-410 (Stahr) Tropical Soils and Land Evaluation		○ 4801-430 (Valle Zárate) Livestock Breeding Programmes ...	◐ 3501-440 (Melchinger) Plant Breeding and Seed Science in the T+S	○ 4903-510 (Birner) Agriculture and Food Security in Fragile Systems	
	○ 4801-410 (Valle Zárate) Genetic Resources and Animal Husbandry Systems	○ 3803-440 (Asch) Signalling in Plants under Stress ○ 4802-440 (Dickhöfer) Phys.+Ec. Asp. Livestock Nutrition in the Tropics	○ 4902-420 (Brockmeier) International Food and Agricultural Trade	○ 4903-490 (Birner) Social Dimensions of Agricultural Development ○ 4802-470 (Focken) Experimental Aquaculture	(11 full days in Ahrensburg near Hamburg!)	
<b>M. Sc. Crop Sciences</b>		○ 3803-440 (Asch) Signalling in Plants under Stress	◐ 3501-460 (Melchinger) Planning. of Breeding Programmes			◐ 3301-460 (Müller, T.) Exercises in Plant Nutrition (after B5)
<b>M. Sc. EnviroFood</b>	VB ● 4402-440 (Gallmann) Agricultural Production and Residues	● 3202-410 (Fangmeier) Ecotoxicology and Environmental Analytics	● 3103-440 (Streck) Matter Cycling in Agro-Ecosystems	● 4602-460 (Hölzle) Environmental Microbiology, Parasitology ...	◐ 3004-410 (Trempp) Inland Water Ecosystems	
	VB ● 1503-410 (Hausmann) Food Technology and Residues	◐ 3802-410 (Sauerborn) Ecology and Agroecosystems	◐ 4403-580 (Müller, J.) Water and Soil Management in Agric. Production	◐ 3202-420 (Fangmeier) Global Change Issues	◐ 3003-410 (Schöne) Food Safety and Quality Chains (ten days in February, 6 hours per day)	◐ 3301-460 (Müller, T.) Exercises in Plant Nutrition (after B5)
	◐ 3202-430 (Fangmeier) Air Pollution and Air Pollution Control		○ 4902-420 (Brockmeier) International Food and Agricultural Trade			
<b>M. Sc. EnvEuro (first year and elective modules of second year)</b>	○ 4402-440 (Gallmann) Agricultural Production and Residues	○ 3202-410 (Fangmeier) Ecotoxicology and Environmental Analytics	● 3103-440 (Streck) Matter Cycling in Agro-Ecosystems	◐ 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	◐ 3004-410 (Trempp) Inland Water Ecosystems	
	○ 3202-430 (Fangmeier) Air Pollution a. .... Control	○ 3802-410 (Sauerborn) Ecology and Agroecosystems	○ 4403-580 (Müller, J.) Water and Soil Management in Agric. Production	○ 4602-460 (Hölzle) Environmental Microbiology, Parasitology ...		
	○ 4904-460 (Berger) Farm System Modelling			◐ 3202-420 (Fangmeier) Global Change Issues		
	○ 4901-420 (Zeller) Poverty and Dev. Strategies			◐ 4904-430 (Berger) Land Use Economics		
	○ 3101-410 (Stahr) Trop. Soil and Land Evaluation					

# Blocked Modules Summer Semester 2014

20.08.2013

● = Compulsory

◐ = Semi-elective

○ = Elective

Study Course	Period	6 (17 days)	7 (17 days)	8 (17 days)	9 (17 days)	10 (17 days)	by Arrangement
		01.04. - 25.04.2014 (unbl: 07.04.!) )	28.04. – 21.05.2014	22.05. - 06.06.2014 + 16.06. - 24.06.2014	25.06. - 18.07.2014	21.07. - 12.08.2014	
M. Sc. AgEcon			● 4101-410 (Lippert) Environmental and Resource Economics	● 4201-410 (Grethe) Agricultural and Food Policy	◐ 4903-500 (Birner) Poli- cy Processes in Agric. + Nat. Resource Manag.	◐ 4903-470 (Birner) Qual. Research Methods ... ◐ 4902-430 (Brockmeier)	
M. Sc. AgriTropics	● 3803-470 (Asch) Interdisciplinary Practical Science Training (AgriTropics only!)	○ 4901-430 (Zeller) Rural Development Poli- cy and Institutions ○ 3801-430 (Cadisch) Integrated Agricultural Production Systems	○ 4201-410 (Grethe) Agri- cultural and Food Policy	○ 3802-420 (Sauer- born) Biodiversity, Plant and Animal Gen. Resources ○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Prod. ○ 4802-450 (Dickhöfer) Quant. Meth. in Anim. Nutri- tion + Veget. Scienc.	○ 4403-470 (Müller, J.) Renewable Energy f. Ru- ral Areas	○ 4902-430 (Brockmeier) Food and Nutrition Securi- ty	
			○ 4801-420 (Valle Zárate) Promotion of Livestock in Trop. Environments		○ 3803-430 (Asch) Ecophysiology of Crops in the T+S		
					○ 4602-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S		
					○ 3501-480 (Melchinger) Breed. of Trop., Ornamen- tal, and Vegetable Plants		
M. Sc. Crop Sciences	○ 4407-430 (Griepentrog) Precision Farming		◐ 3602-460 (Gerhards) Information Technologies and Expert Systems ..			○ 3603-500 (Zebitz) Exercises in Biological Pest Control	
M. Sc. EnviroFood	◐ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	● 3103-460 (Streck) Environmental Science Project	● 3103-460 (Streck) Environmental Science Project		
			◐ 4403-550 (Müller, J.) Postharvest Technology of Food & Bio-Based Prod.	◐ 4403-470 (Müller, J.) Renewable Energy for Rural Areas			
M. Sc. EnvEuro (first year)	○ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	○ 3103-460 (Streck) Environmental Science Project	○ 3103-460 (Streck) Environmental Science Project		
			◐ 4201-410 (Grethe) Agricultural and Food Policy	○ 4403-470 (Müller, J.) Renewable Energy for Rural Areas			
			○ 3101-460 (N.N.) Mapping Course...	○ 3101-430 (N.N.) Inter- discipl. Adv. Soil Science			
M. Sc. OrganicFood		● 4801-480 (Valle Zárate) Organic Livestock Farming and Products					

Please check module descriptions to find out how to register for participation in the respective module (<https://www.uni-hohenheim.de/modulkatalog.html>).

## Unblocked Modules taught in English at the Faculty of Agricultural Sciences

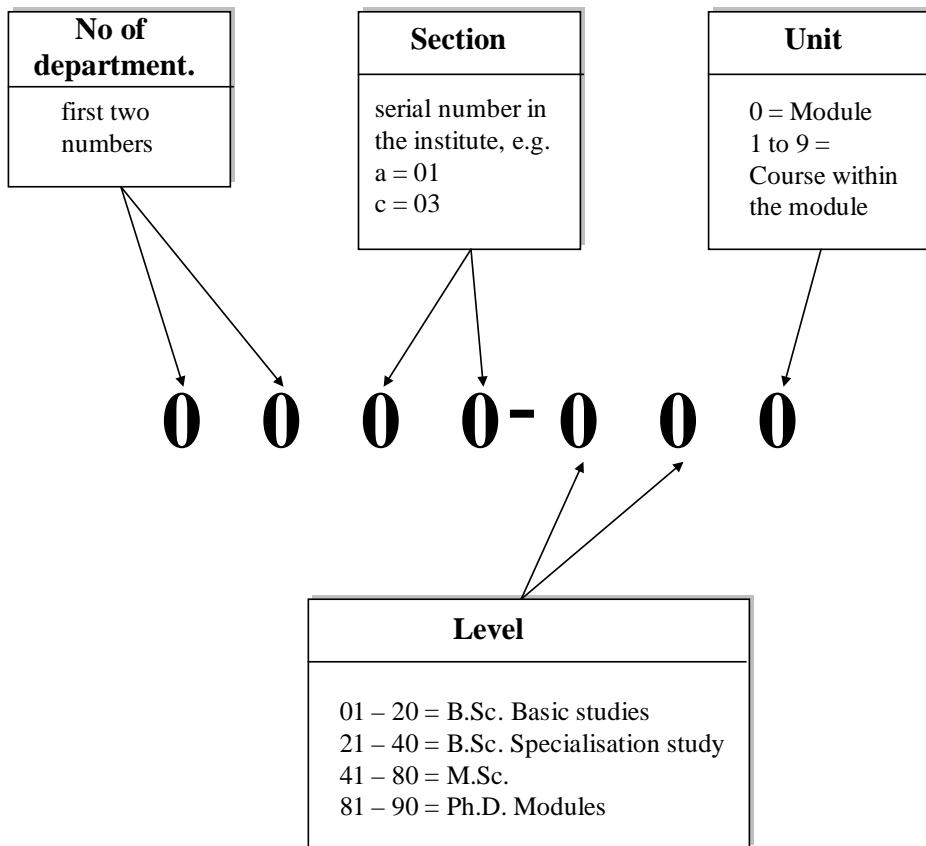
● = Compulsory

◐ = Semi-elective

○ = Elective

AgEcon	Agri-Tropics	Crop Sciences	EnvEuro	Enviro-Food	Organic-Food	
<b>Unblocked Modules in Winter Semester (October - February)</b>						
○	○	○	◐	◐	○	1201-410 (Wulfmeyer) Remote Sensing
						1201-580 (Wulfmeyer) Physics of the Earth System
-	-	-	●	-	-	3005-410 (Fangmeier) Environmental Management in Europe <b>(for EnvEuro only!)</b>
○	○	○		○	○	3101-450 (Stahr) Major Pedological Field Trip (English + German) <i>(not in WS 13/14!)</i>
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
○	○	○	○	○	○	3102-450 (Kandeler) Molecular Soil Ecology
○	○	○	○	○	○	3301-450 (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
○	○	○	○	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S <b>(e-learning!)</b>
○	○	◐		○	○	3302-450 (Neumann) Plant Symbioses for Nutrient Acquisition
○	○	◐		○	○	3302-460 (Ludewig) Plant Quality
○	○	●		○	○	3401-470 (Claupein) Crop Physiology
○	●	○	●	○	○	3402-420 (Piepho) Quantitative Methods in Biosciences
○	○	○		○	●	3405-460 (Zikeli) Processing and Quality of Organic Food
○	○	○		○	●	3405-470 (Zikeli) Organic Food Systems and Concepts
-	-	-	-	-	●	3405-500 (Zikeli) Principles of Organic Food Systems <b>(for EurOrganic only!)</b>
○	○	◐		○	○	3501-470 (Melchinger) Selection Theory
		●				3502-440 (Schmid) Methods of Scientific Working for Crop Sciences
○	○	◐		○	○	3502-450 (Schmid) Population and Quantitative Genetics
○	○	◐		○	○	3504-430 (Kruse) Seed Research
○	○	◐		○	○	3601-450 (Vögele) Phytopathology
○	○	◐		○	○	3602-450 (Gerhards) Molecular Aspects of Plant Protection
○	○	◐		○	○	3603-480 (Zebitz) Entomology
○	○	○	◐	●	●	4201-440 (Grethe) Economics and Environmental Policy
○	○	○		○	●	4303-440 (I.V. Lemke) Social Conditions of Organic and Sustainable Agriculture
○	○	○	○	○	○	4303-490 (I.V. Lemke) Ethics of Food and Nutrition Security
○	○					4404-450 (Köller) Innovations in Agriculture
○	○	○	◐	◐	○	4406-410 (Kranert) Waste Management and Waste Techniques
◐	○	○		○	○	4904-410 (Berger) Agricultural Economics Seminar
<b>Unblocked Modules in Summer Semester (April - July)</b>						
-	-	-	◐	-	-	3005-420 (Fangmeier) Climate Change Impacts, Adaptation a. Mitigation <b>(EnvEuro !)</b>
○	○	○	○	○	○	3101-440 (Stahr) Soil Genesis, Classification and Geography <i>(English + German)</i>
○	○	○	○	○	○	3101-450 (Stahr) Major Pedological Field Trip <i>(English + German)</i>
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences <i>(English + German)</i>
			○	○		3103-500 (Streck) Energy and Water Regime at the Land Surface
○	○	○	◐	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S <b>(e-learning!)</b>
○	○	○	○	○	○	3401-450 (Claupein) Conservation Agriculture
○	○	○		○	●	3401-460 (Claupein) Organic Plant Production
○	○	○	○	○	○	3402-450 (Piepho) Advanced Statistical Methods for Metric and Catagorical Data
○	○	○		○	○	3405-450 (Zikeli) Problems and Perspectives of Organic Farming
○	○	○		○	●	3405-490 (Zikeli) Project in Organic Agriculture and Food Systems
○	○	◐		○	○	3501-450 (Melchinger) Breeding Methodology
○	○	○		○	○	3603-420 (Zebitz) Crop Protection in Organic Farming
○	○	◐		○	○	3703-430 (Wünsche) Crop – Environment Interactions
						3803-490 (Asch) Excursion to the Tropics and Subtropics
●	○	○		○	○	4202-450 (Becker, T.) Microeconomics
○	○	○		○	●	4202-460 (Becker, T) Markets and Marketing of Quality Food
◐	○	○		◐	○	4303-470 (I.V. Lemke) Gender, Nutrition, and Right to Food
○	○	○		◐	○	4303-480 (I.V. Lemke) Global Nutrition
-	●	-	-	-	-	4903-460 (Birner) Methods in Interdisciplinary Collaboration <b>(for AgriTropics only!)</b>

# Explanation of Module Code



<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>					

# Lecture Periods

<b>WS 13/14</b>	<b>First day of <u>un</u>-blocked modules:</b>	(42. KW) Monday, 14.10.2013
	<b>First day of blocked modules:</b>	(42. KW) Monday, 14.10.2013
	<b>Last day of <u>un</u>-blocked modules:</b>	(5. KW) Saturday, 01.02.2014
	<b>Last day of blocked modules:</b>	(9. KW) Tuesday, 25.02.2014
<b>SS 14</b>	<b>First day of blocked modules:</b>	(14. KW) Tuesday, 01.04.2014
	<b>First day of <u>un</u>-blocked modules:</b>	(15. KW) Monday, 07.04.2014
	<b>Last day of <u>un</u>-blocked modules:</b>	(29. KW) Saturday, 19.07.2014
	<b>Last day of blocked modules:</b>	(33. KW) Tuesday, 12.08.2014

**Free of lectures:** All Saints' Day: 01.11.2013, Christmas holidays: 23.12.2013 – 06.01.2014 (blocks: 21.12.13 – 06.01.14), Easter holidays: 18.04. – 21.04.2014, Labour Day: 01.05.2014, Ascension Day: 29.05.2014, Pentecost holidays: 10.06.2014 – 14.06.2014 (except excursions), Feast of Corpus Christi: 19.06.2014. The "Dies Academicus" (04.07.2014) will be free of lectures too!

## Examination periods in winter semester 2013/14

**B.Sc. and M.Sc. period 1:** calendar week 6 to 8  
**B.Sc. and M.Sc.: period 2:** calendar week 13 to 14  
**Deadline for the registration for exams:** is fixed by the examination office

## Examination periods in summer semester 2013

**B.Sc. and M.Sc. period 1:** calendar week 30 to 32  
**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>).