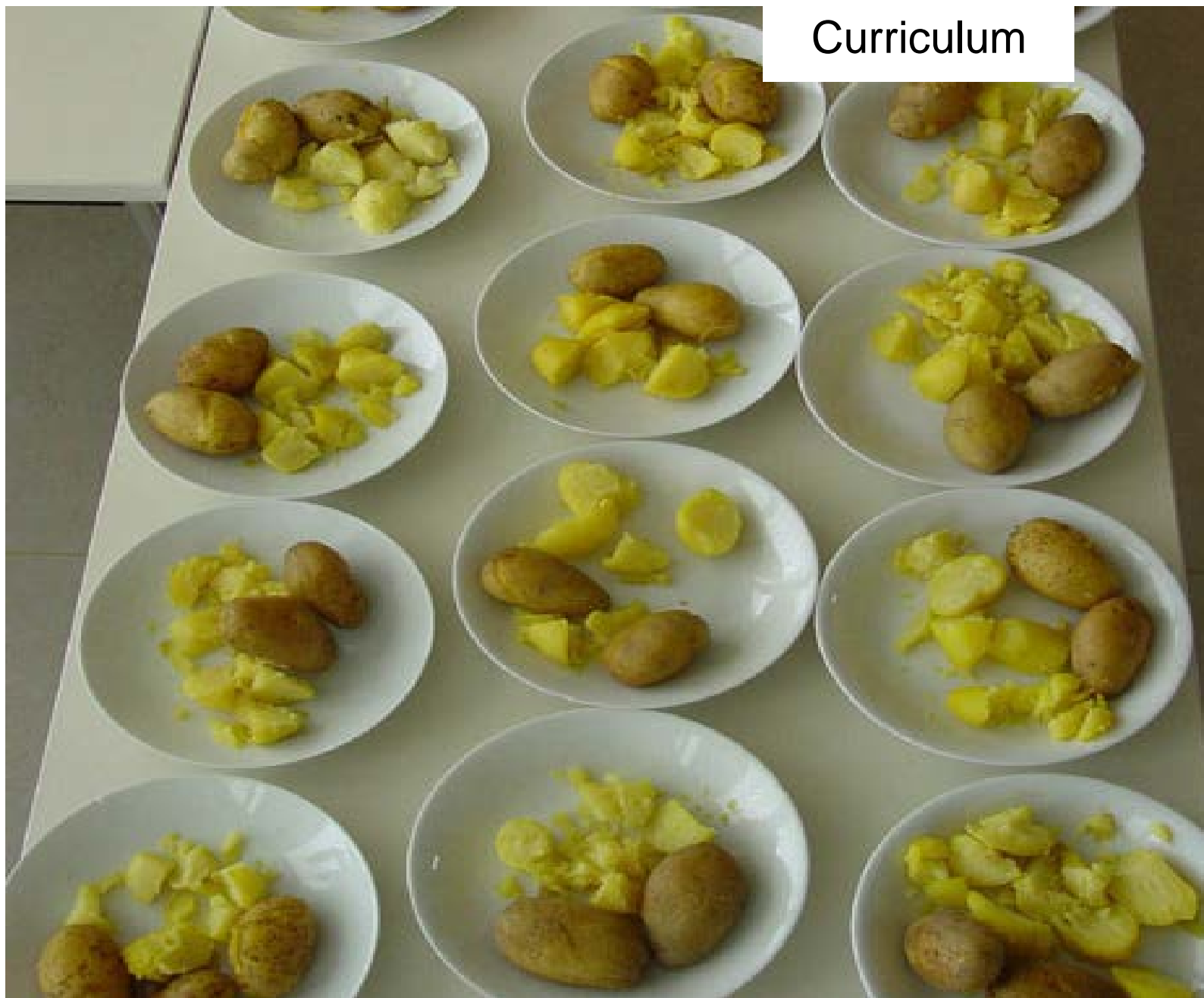


Environmental Protection and Agricultural
Food Production
Master of Science

Curriculum



March 2014

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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. 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.

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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 until Summer 2014

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). The language of instruction is English.

In total 15 modules have to be completed successfully (7 compulsory, 3 semi-elective and 5 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	Semi-elective module	Elective module	Master Thesis (30 credits)
6 Credits	3202-410 (Fangeier) Ecotoxicology and Environmental Analytics	3103-450 (Streck) Spatial Data Analysis with GIS	Elective module	
6 Credits	3103-440 (Streck) Matter Cycling in Agro-Ecosystems	Semi-elective module	Elective module	
6 Credits	4602-460 (Hölzle) Environmental Microbiology, Parasitology and Microbial Ecol.	3103-460 (Streck) Environmental Science Project	Elective module	
6 Credits	4201-440 (Grethe) Economics and Environmental Policy	Semi-elective module	Elective module	

The seven **compulsory modules** are until summer semester 2014:

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	3103-450 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.
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.

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) 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 until summer semester 2014:

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	4403-580	Water and Soil Management in Agricultural Production	B 03	written	Müller

(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.

Programme Design from WS 2014/15 on

The two year M.Sc. programme 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. 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 programme has an extent of 120 ECTS.

	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	3103-440 (Streck) Spatial Data Analysis with GIS	Elective module	Master Thesis (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	

The language of instruction is English and the programme can be started in October (winter semester) each year.

The six **compulsory modules** are for those who begin the programme in WS 14/15 or later:

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	4201-440	Economics and Environmental Policy	1 semester	6	Grethe
1	3202-410	Ecotoxicology and Environmental Analytics	1 semester	6	Fangmeier
1	3103-510	Environmental Modelling	1 semester	6	Streck
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

SS = summer semester

Those who begin the programme in WS 14/15 or later have to choose, three modules of the following list of **semi-elective modules**:

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 Genetic Resources	SS block 2	7,5	Sauerborn
2	4403-580	Water and Soil Management in Agricultural Production	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	4403-550	Postharvest Technology of Food and Biobased Products	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	3202-430	Air Pollution and Air Pollution Control	1 semester	6	Fangmeier
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	Sauerborn

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 modules of other Master programmes of the faculty of Agricultural Sciences of the University of Hohenheim. On request to the examination board and with the approval of a mentor, modules can be chosen from other programmes 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 defined	1 - 7,5	Müller, T.
2	3005-450	Protection and Integrated Land and Water Management in an Alpine Environment	3 weeks full time + e-learning	7.5	Fangmeier

Modules

The programme follows a modular course structure. A typical semester consists of 30 credits. Until summer semester 2014 most modules are offered as blocked courses lasting three and a half weeks (B1 to B5 = winter semester, B6 – B10 = summer semester). Some are not blocked and thus last the full length of the semester. From 2014/15 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

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. 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 credits for the workload associated with each module. The M.Sc. programme has a requirement of 120 credits in total. The credit point system used in the M.Sc. programme is fully compatible with the European Credit Transfer System, ECTS.

Marks and Grades

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.

	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 month of study the candidate must have the study plan approved in which all chosen modules are mentioned. Until SS 14 the study plan has to be signed by a co-ordinator or mentor before it is handed in to the examination office. Exchanges of modules need to be approved. From WS 14/15 on a counseling confirmation has to be signed by a co-ordinator 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:

- 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 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.

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.

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 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
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)

Contact

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Block Periods 2013/2014

	Block	Period
Winter Semester	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
Summer Semester	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 the module!

Blocked Modules and Periods 2014/2015

From WS 14/15 on all blocked modules offered by the Faculties of Natural Sciences and Agricultural Sciences will have a duration of 4 weeks, an estimated workload of around 200 hours, and will result in 7,5 ECTS credits.

Blocked Modules of the Faculty of Agriculture (*draft!*)

Winter Semester 2014/15						(1. examination period of unblocked modules: 09.02.-27.02.15)						
		Block 1 (13.10.-7.11.)	Block 2 (10.11.-5.12.)	Block 3 (8.12.-16.1.)	Block 4 (19.1.-13.2.)	Holiday block (March)						
Ecol	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-800 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	● 3003-410 (Schöne) Food Safety and Quality Chains							
	○ 4904-460 (Berger) Farm System Modelling	○ 4901-420 (Zeller) Poverty and Development Strategies		○ 4901-470 (Zeller) Quant. Meth. i. Econom.	Prüfung							
Econ.	○ 4904-430 (Berger) Land Use Economics					Prüfung						
Animal Sc.						○ 4602-500 (Beyer) Biologische Sicherheit und Gentechnikrecht						
						● 4502-410 (Mosenthin) Futterwertbeurteilung, FM-mikrobiologie und ..						
Summer Semester 2015						(1. examination period of unblocked modules: 27.07.-14.08.15)						
		Block 1 (13.4.-8.5.)	Block 2 (11.5.-12.6.)	Block 3 (15.6.-10.7.)	Block 4 (13.07.-7.8.)	by arrangement						
Crop S	● 3803-470 (Asch) Interdisciplinary Practical Science Training (AgriTropics only!)	○ 3801-430 (Cadisch) Integrated Agricultural Production Systems	○ 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	○ 3803-430 (Asch) Ecophysiology of Crops in the T+S	○ 3603-500 (Zebitz) Exercises in Biological Pest Control							
	Engin.	○ 4403-580 (Müller, J.) Water and Soil Management in Agric. Production	○ 4403-470 (Müller, J.) Renewable Energy f. Rural Areas	○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Prod.								
Animal T + S	○ 4801-430 (Valle Zárate) Livestock Breeding Programmes ...		○ 4802-450 (Dickhöfer) Quant. Meth. in Anim. Nutrition +Veget. Scienc.	○ 4801-420 (Valle Zárate) Promotion of Livestock in Trop. Environm.								
	Soc.			○ 4602-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	○ 4303-480 (Lemke) Global Nutrition							
Ecology	● 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources											
	● 3201-620 (Schmieder) Vegetation and Soils of Central Europe	● 3201-590 (Schurr) Combining Ecological Models and Data	● 3101-570 (Hermann) Field Course Soils and Vegetation	● 3201-600 (Schurr) Intensive Course Landscape Ecology								
Soil Scienc.	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3101-580 (Rennert) Bodenschutz, Bodenbewertung, -sanierung	● 3103-460 (Streck) Environmental Science Project	● 3102-420 (Kandeler) Bodenwissenschaftliches Experiment							
	● 3102-450 (Kandeler) Molecular Soil Ecology	● 3101-560 (Rennert) Soils of the World			● 3101-430 (Rennert) Interdiscipl. Adv. Soil Sc. Project (Engl.+ Ger.)							
Animal Sciences	● 4701-490 (Stefanski) Verhaltensbiologie	● 4702-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. ...	● 4701-480 (Stefanski) Verhaltensphysiologie und Immunobiologie	● 4501-450 (Rodehuts.) Sp. Ernähr. Wiederkäuer								
	● 4502-430 (Mosenthin) Methoden zur Analytik u. Qualitätsbeurt. von Futtermitteln	● 7301-410 (Rosenkranz) Bienen			● 4602-490 (Hölzle) Spezielle Tierhygiene							
		● 4601-410 (Amselgru.) Angew. Anatomie und klinische U.-methoden										

Please check the module descriptions for how to register for participation in these modules!

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	○ 4403-470 (Müller, J.) Renewable Energy f. Ru- ral Areas ○ 4801-420 (Valle Zárate) Promotion of Livestock in Trop. Environments	○ 4902-430 (Brockmeier) Food and Nutrition Securi- ty ○ 3803-430 (Asch) Ecophysiology of Crops in the T+S	
			○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Prod.				
		○ 4802-450 (Dickhöfer) Quant. Meth. in Anim. Nutri- tion + Veget. Scienc.			○ 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 ..	○ 3501-480 (Melchinger) Breed. of Trop., Ornamen- tal, and Vegetable Plants	○ 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			
			◐ 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			
			◐ 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

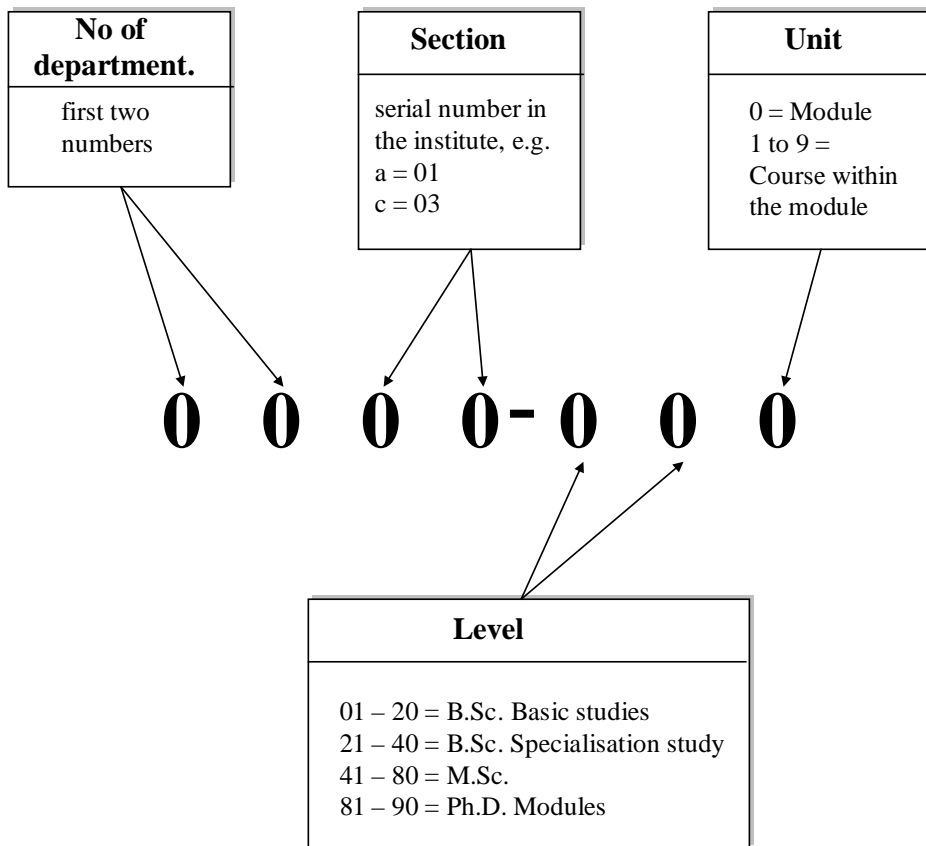
● = Compulsory

◐ = Semi-elective

○ = Elective

AgEcon	Agri-Tropics	Crop Sciences	EnvEuro	Enviro-Food	Organic-Food	
Unblocked Modules in Winter Semester 2013/14						
○	○	○	◐	◐	○	1201-410 (Wulfmeyer) Remote Sensing
						1201-580 (Wulfmeyer) Physics of the Earth System
-	-	-	●	-	-	3005-410 (Fangmeier) Environmental Management in Europe (for EnvEuro only!)
◐	◐	◐		◐	◐	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	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 (e-learning!)
○	○	◐		○	○	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 (for EurOrganic only!)
○	○	◐		○	○	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
Unblocked Modules in Summer Semester 2014 (April - July)						
-	-	-	◐	-	-	3005-420 (Fangmeier) Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)
○	○	○	○	○	○	3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)
◐	◐	◐	◐	◐	◐	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
			○	○		3103-500 (Streck) Energy and Water Regime at the Land Surface
○	○	○	◐	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)
○	○	○		○	○	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 (for AgriTropics only!)

Explanation of Module Code



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

Lecture Periods

SS 14	First day of blocked modules:	(14. KW) Tuesday, 01.04.2014
	First day of <u>un</u>-blocked modules:	(15. KW) Monday, 07.04.2014
	Last day of <u>un</u>-blocked modules:	(29. KW) Saturday, 19.07.2014
	Last day of blocked modules:	(33. KW) Tuesday, 12.08.2014
WS 14/15	First day of <u>un</u>-blocked modules:	(42. KW) Monday, 13.10.2014
	First day of blocked modules:	(42. KW) Monday, 13.10.2014
	Last day of <u>un</u>-blocked modules:	(6. KW) Saturday, 07.02.2015
	Last day of blocked modules:	(7. KW) Friday, 13.02.2015

Free of lectures: 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 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

Examination periods in winter semester 2014/15

B.Sc. and M.Sc. period 1: calendar week 7 to 9
B.Sc. and M.Sc.: period 2: calendar week 13 to 14
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>).