UNIVERSITÄT HOHENHEIM FAKULTÄT AGRARWISSENSCHAFTEN



Curriculum

Master of Science Environmental Science - Soil, Water and Biodiversity



September 2011

Contact:

Coordinator "Environmental Science – Soil, Water and Biodiversity" (EnvEuro) University of Hohenheim (790) 70593 Stuttgart, Germany

Phone: +49 711 459 23305 e-mail: <u>mailto:enveuro@uni-hohenheim.de</u> <u>http://www.uni-hohenheim.de/enveuro</u>

Edited by Dr. Karin Amler

Published by Faculty of Agricultural Sciences Universität Hohenheim, 70593 Stuttgart, Germany

Print: University of Hohenheim

Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with comprehensive information about the M.Sc. programme "Environmental Science – Soil, Water and Biodiversity" (EnvEuro – a European Master in Environmental Science). It contains information on the programme 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 provided without liability.

If in doubt, please refer to the co-ordinator of the programme (<u>enveuro@uni-hohenheim.de</u>) to obtain upto-date information. For up-to-date module descriptions please refer to the web-pages at <u>www.uni-hohenheim.de/modulkatalog</u>. 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 on the university's homepage: <u>www.uni-hohenheim.de</u>.

Programme Design	4
Programme Objectives and Conditions	5
Career Perspectives	5
Modules at the University of Hohenheim	5
Course Catalogue	7
Course Contents	7
Credit Point System	7
Study and Examination Plan	8
Examinations and Exam Repetitions	8
Master Thesis	9
Quality Assurance	9
Academic Calendar	9
Teaching Staff	9
Mentoring	9
Modules at the Partner Universities	9
Hohenheim's ASP 2 specialisations and modules	11
Double Degree	13
Admission Requirements	13
Application Deadline	13
Fees and Expenses	13
Scholarships	13
Cost of Living	14
Housing	14
Dormitories	14
Visa Application	14
Responsible Scientist	14
Contact	14
Annex I:	
Modules offered within the EnvEuro-Programme for Hohenheim's students	15
Annex II:	
Modules offered for incoming students from the partner universities	19
Block Periods	23
Blocked Modules Taught in English	24
Unblocked Modules Taught in English	26
Semester Structures at the Four Partner Universities	27
Identification of Modules (Code)	28
Lecture Periods and Examination Periods	32

Table of Contents

The Master Programme "Environmental Science – Soil, Water and Biodiversity"

Programme Design The M.Sc. programme in "Environmental Science – Soil, Water and Biodiversity" (EnvEuro) is a two-year study programme which has been developed and is now contributed to by the following universities: University of Copenhagen (Denmark), University of Hohenheim (Germany), Swedish University of Agricultural Science (Sweden) and the University of Natural Resources and Applied Life Science Vienna (Austria), all members of the "Euroleague for Life Sciences". The language of instruction is English.

The full programme has an extent of 120 ECTS and is constructed by 4 Semester packages, each with a value of 30 ECTS (one basic Semester package/BSP, two advanced Semester packages/ASPs, and a thesis). All students will start up with a common introduction week in August, held at the LIFE University in Copenhagen, <u>in which participation is obligatory</u>. Teaching starts with an e-learning module, introducing the students to European environmental practices including legislation, regulation, monitoring/data collection and Policy (EME). The first year (BSP and 1st ASP) of the M.Sc. programme is carried out at the home university. The second year (2nd ASP and thesis) is carried out at one of the partner universities.

University of Hohenheim Home university		•		Host univer (LIFE / SLU / 1	•
First Semester: Basic Semester Package/BSP		Second Semester: Advanced Semester Package 1/ASP 1 (one to choose)	Third Semester: Advanced Sem. Package 2/ASP 2 (one to choose)	Forth Semester Master thesis	
		Environmental Impacts 30 ECTS	Water Resources SLU or BOKU, 30 ECTS		
	Environmental Management	Environmental Impacts LIFE, 30 ECTS	UC-Life		
Introduc- tion week and EME	2 ¹ / ₂ modules	30 ECTS	Soil Resources and Land Use LIFE or SLU or BOKU, 30 ECTS	or SLU	
module (e-lear- ning based), 15 ECTS	each 6 ECTS 15 ECTS	Soil Resources and Land Use 30 ECTS	Ecosystems and Biodiversity SLU or BOKU, 30 ECTS	or BOKU	
		Climate Change 30 ECTS	Environmental Management LIFE, 30 ECTS	30 ECTS	
			Climate Change LIFE or SLU or BOKU, 30 ECTS		

Programme Design of the M.Sc. "EnvEuro"

LIFE = University of Copenhagen, Faculty of Life Sciences, Denmark SLU = Swedish University of Agricultural Sciences, Sweden BOKU = University of Natural Resources and Applied Life Science, Austria

Programme Objectives and Conditions	The programme EnvEuro focuses on the relationships between natural re- source uses in Europe and the effects it has on environment and health, and aims at providing analytical and management tools as well as environmental technologies for sustainable production systems in areas with high pressures on natural resources. Water resources take a central role in the programme as water quantities and quality is a powerful measure of mass and energy balances in agriculture, industries and households including pollution loads. Six different specialisations allow for an individually tailored M.Sc. programme. The University of Hohenheim provides an excellent platform for development of a M.Sc. programme based on European knowledge and experience. The Master degrees of the University of Hohenheim are highly regarded academically, as well as being well received by employers internationally.
	The University of Hohenheim fosters contacts and partnerships with more than 50 universities worldwide as well as many renowned national and international institutions and companies. Students enrolled at Hohenheim are encouraged to take full advantage of this existing network in respect of their studies that opens doors to future opportunities.
Career Perspectives	The M.Sc. programme aims at providing candidates who can work professionally with soil, water, climate change and biodiversity in an

Career Perspectives The M.Sc. programme aims at providing candidates who can work professionally with soil, water, climate change and biodiversity in an environmental context and related to the use of natural resources, and based on insight in European ecosystems and knowledge on current European environmental management.

Candidates will have excellent skills for jobs in all public and industrial sectors working with optimisation of production within the regulative and legislative framework for maintaining high environmental and health standards.

Modules at the Univer-
sity of HohenheimEnvEuro starts each year in the end of August with a compulsory intensive
introduction course in Copenhagen. Afterwards students return to Hohenheim
for the modules of the basic semester package (BSP). The BSP at Hohenheim
consists of three compulsory modules and one elective module:

	Compulsory modules (BSP)	Blocked?	Credits
3005-410	Environmental Management in Europe (EME)	Intro-week + e-learning	15
3103-440	Matter Cycling in Agroecosystems	block 3	6
3402-420	Quantitative Methods in Biosciences (Part 1: Basic Statistics)	unblocked	3
List of sen	List of semi-elective modules (BSP) (one to choose)		Credits
3202-420	Global Change Issues	block 4	6
4904-430	Land Use Economics	block 4	6
3803-450	Crop Production Affecting the Hydrological Cycle	block 4	6
3004-410	Inland Water Ecosystems	block 5	6
1201-410	Remote Sensing	unblocked	6

Each 6 ECTS- Module at the University of Hohenheim corresponds to a workload of 4 SWS ("Semesterwochenstunden"=weekly contact hours per Semester), which are 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 each module. It may consist of different forms of teaching

(e.g. seminar, lecture, practical, excursion). More information about the modules taught at Hohenheim can be found in Annex I from page 15 onwards.

In the second semester students have to choose one of the following specialisations of **advanced semester package 1** (ASP1). These semester packages consist of three types of modules: compulsory, semi-elective, and elective. Students have to combine the modules so that 30 (or 33, if module 3005-420 is chosen) credits are achieved. Besides the compulsory modules, priority should be given to the semi-elective modules. Students may choose up to two elective modules from the module catalogue of the Faculty of Agricultural Sciences (not listed here, available at https://www.uni-hohenheim.de/modulkatalog.html?&L=1). The compulsory and semi-elective modules of ASP1 at Hohenheim are:

Specialisation: Environmental Impacts

Compulso	ry modules (together 18 credits)	Blocked?	Credits
3103-450	Spatial Data Analysis with GIS	block 7	6
3802-450	Biodiversity, Plant and Animal Genetic Resources	block 8	6
3103-460	Environmental Science Project	block 9	6
Semi-elective modules		Blocked?	Credits
3005-420	Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
3102-440	Environmental Pollution and Soil Organisms	block 6	6
Elective modules			
Up to two modules may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			

Specialisation Environmental Management

Compulso	Compulsory modules (together 12 credits)		Credits
3103-450	Spatial Data Analysis with GIS	block 7	6
4201-410	Agricultural and Food Policy	block 8	6
Semi-elect	ive modules (at least 6 credits to choose)	Blocked?	Credits
3005-420	Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
3103-460	Environmental Science Project	block 9	6
Elective m	odules		
Up to two modules may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			

Specialisation Soil Resources and Land Use

Compulso	ry modules (together 12 credits)	Blocked?	Credits
3401-450	Conservation Agriculture	unblocked	6
3103-450	Spatial Data Analysis with GIS	block 7	6
Semi-elect	ive modules (at least 6 credits to choose)	Blocked?	Credits
3005-420	Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
3102-420	Project in Soil Science	unblocked	6
3101-430	Interdisciplinary Advanced Soil Science Project	unblocked	6
3102-440	Environmental Pollution and Soil Organisms	block 6	6
Elective modules			
Up to two modules may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			

Specialisation Climate Change

Compulsory modules (together 21 credits)		Blocked?	Credits
3005-420	Climate Change Impacts, Adaptation and	e-learning,	15
2102.450	Mitigation	unblocked	6
3103-450	Spatial Data Analysis with GIS	block 7	6
Semi-elect	Semi-elective modules		Credits
3802-420	Biodiversity, Plant and Animal Genetic	block 8	6
	Resources		
3103-460	Environmental Science Project	block 9	6
4403-470	Renewable Energy for Rural Areas	block 9	6
Elective modules			
Up to two modules may be freely chosen from the module catalogue of all			

Up to two modules may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences

Upon request of the students the examination board can allow to substitute semi-elective modules of these four specialisations by modules from other master programmes of the faculty of Agricultural Sciences of the University of Hohenheim. This substitution needs the approval of the mentor.

- **Course Catalogue** The Course Catalogue of the University of Hohenheim is available at the beginning of each Semester on the university's homepage: <u>www.uni-hohenheim.de</u>. The courses can be located inside the course catalogue of the University of Hohenheim by the name of the lecturers responsible for the courses or by the number of the institute. Times and lecture rooms of all courses can be found, and a personal time-table can be worked out. Mind that several non-blocked modules within that catalogue consist of more than one course.
- *Course Contents* For details about contents, lecturers and methods of instruction refer to the module description site (**www.uni-hohenheim.de/modulkatalog**).
- *Credit Point System* The M.Sc. programme has a total requirement of 120 ECTS credits.

The examination result is expressed in grade points. The highest score is 4.0. A score of 1.0 is required for passing.

	Grade- points and grades		
	grade	es	grade-points
excellent performance	very good	А	4,0
		A-	3,7
performance considerably	good	B+	3,3
exceeding the above average		В	3,0
standard		B-	2,7
performance meeting the average	medium	C+	2,3
standard		С	2,0
		C-	1,7
performance meeting minimum	pass	D+	1,3
criteria		D	1,0
performance not meeting minimum criteria	fail	F	0

Credits are multiplied with the grade points achieved to derive the number of credit points obtained. In order to calculate the grade point average, the total number of credit points obtained in all modules is divided by the total number of credits collected.

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

Study and
Examination PlanStudents have to seek advice of the mentor of the programme on which
elective modules are suitable for their individual profile. During the first three
months of study the candidate must have the study and examination plan
approved, in which all chosen modules are mentioned including the definite
specification of the examination semester. The study and examination plan has
to be signed by the mentor before it is handed in to the examination office. By
handing in the Study and Examination Plan students are automatically
registered for the chosen module examinations. Exchanges of modules need to
be approved by the mentor.ExaminationsExchanges of modules are automatically
registered for the chosen module examinations. Exchanges of modules need to
be approved by the mentor.

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. Withdrawal on the first trial of each module 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 examinations 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 deadlines. 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 (https://www.uni-hohenheim.de/pruefung.html) 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; 0 grade-points). A declaration (https://agrar.uni-hohenheim.de/plagiate.html?&L=1) has to be attached to homework, presentations, and to the thesis and 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 Science – Soil, Water and Biodiversity" within a fixed period of time by applying scientific methods. The exam consists of a written (thesis) and an oral (defence) 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 at the host university. Thesis work includes a literature review, new and original data derived from field work, a period of writing-up and, finally, a presentation.
- **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 at
HohenheimMost modules are organised and taught by professors who have broad experi-
ence in international research. Students also benefit from Hohenheim's active
links with academic partners worldwide.
- *Mentoring* A personal mentor from the teaching staff is assigned to advise on appropriate profiles and support smooth and goal-oriented progress. The study and examination plan has to be signed by the mentor before it is handed in to the examination office. Elective modules that are suitable for the individual profile, can be discussed first with the department advisor for the programme.
- *Modules at the Partner Universities* The typical student is expected to spend one year at Hohenheim and one year at one of the partner universities; the first year comprising the BSP plus 1st ASP at one university and the 2nd year at another university where the 2nd ASP plus the thesis work is performed. This set up is recommended because of the different Semester structures at the partner universities. Between the BSP and the 1st ASP moving will not work due to overlap between Semesters (see scheme on page 27.

The modules of **advanced Semester package 2** are:

Specialisation: Environmental Impacts (30 credits have to be chosen):

Partner university: University of Copenhagen:

250026 Pesticide use, mode of action and ecotoxicology (7,5 credits, block 1A)
250004 Applied plant nutrition (7,5 credits, Block 3C)
280008 Natural resource sampling and modelling (7,5 credits, block 1B)
240026 Landscape ecology (7,5 credits, Block 1B)
250006 Biological control of pests and diseases (7,5 credits, block 1C)
240001 Advanced microbiology (15 credits, block 2)

240003 Applied ecology (7,5 credits, block 2A)
240028 Molecular plant biochemistry and physiology (7,5 credits, block 2A)
210001 Applied statistics (7,5 credits, block 2A)
280003 Geographical Information Systems (7,5 credits, block 4C)

Specialisation Environmental Management (30 credits have to be chosen):

Partner university: University of Copenhagen:

240026 Landscape ecology (7,5 credits, block 1B)

290009 Economic theory of environmental policy (7,5 credits, block 1A)

310014 Mind and nature – landscapoe values (7,5 credits, block 1C)

290013 Environmental and natural resource economics (7,5 credits, block 2C)

290003 Applied forest and natrual resource economics (7,5 credits, block 2A)

210001 Applied statistics (7,5 credits, block 2A)

290010 Economic valuation and cost benefit analysis (15 credits, block 2A+ 2C)

Specialisation Soil Resources and Land Use (30 credits have to be chosen at one of these partner universities)

Partner university: University Copenhagen:

230013 Environmental soil chemistry (7,5 credits, block 1C)

230015 Pedology (7,5 credits, block 1A)

250026 Pesticide use, mode of action and ecotoxicology (7,5 credits, block 1A)

250006 Biological control of pests and diseases (7,5 credits, block 1C)

240001 Advanced microbiology (15 credits, block 2)

210001 Applied statistics (7,5 credits, block 2A)

Partner university: Swedish University of Agricultural Sciences:

MV0124 Soils of the world (7,5 credits, block period not yet fixed)

- TN0186 Biological waste treatment technology for urban wastes (15 credits, block 2a+2b)
- MV0100 Soil chemistry (7,5 credits, block 2a+2b)

Partner university: University of Natural Resources and Applied Life Science

811334 Risk Assessment in the Aquatic Environment (3 credits, compulsory)

- 812312 Multi-scale Modelling of Aquatic Ecosystems (3 credits)
- 816332 Computer based River Modelling (3 credits)
- 912317 Effects of Air Pollutants and Nutrient Deficiencies on Mountain Forests (3 credits)
- 933057 Contemporary Issues in Ethnopedology and Ethnoclimatology: Local Knowledge of Farmers about Soil, Weather and Climate Change (1,5 credits)
- 933308 Soil Fertility and Soil Ecology in Organic Farming (3 credits)
- 815321 Soil conservation and soil protection (3 credits, blocked)
- 911318 Ecology and Management of the Rhizopshere in Ecological Engineering (4,5 credits, blocked)
- 912314 Mountain forest climatology and headwater hydrology (4,5 credits, blocked)

871323 Forest hydrology and vegetation effects (3 credits, blocked) Free elective lecture (3 credits)

Specialisation Climate Change (30 credits have to be chosen):

Partner university: University of Copenhagen: Multilateral Climate Negotiations – (10 ECTS) Climate Change and the Law – (10 ECTS) Climate , Weather and Plants – (7.5 ECTS) Simple Climate Models – (7.5 ECTS) B Climate changes – causes, effects, limitations and adaptation – (7.5 ECTS) A Urban Ecosystems: Structures, Functions and Designs - (7.5 ECTS) B Ecological climatology & climate change – (7.5 ECTS) C Climate Change – effects on food and feed – (7.5 ECTS) From Plants to Bioenergy - (7.5 ECTS) Thematic Course: Sustainable Forest and Natural Resource Management Planning - (15 ECTS) A+C

Partner university: Swedish University of Agricultural Sciences: Environmental Risk Management and Accounting (15 ECTS) Landscape in transition - impacts of and adaptation to climate change (15 ECTS) Student project (X ECTS) Applied Environmental Assessment (10 ECTS) Environmental Policy (7.5 ECTS)

Partner university: University of Natural Resources and Applied Life Science Meteorological conditions and precipitation (3 ECTS) Foresights- Wohin entwickelt sich die Welt (2 ECTS) Risk Assessment in the Aquatic Environment (3 ECTS) Contemporary issues in ethnopedology and ethnoclimatology: Local Knowledge of farmers about soil, weather and climate change (3 ECTS) Integral Risk Management (3 ECTS) Mountain forest climatology and headwater hydrology (4.5 ECTS) Technology Assessment (1.5 ECTS) Forest hydrology and vegetation effects (3 ECTS) Soil Conservation and Soil Protection (3 ECTS) Biogeochemistry of carbon and nitrogen in forests and wildlife systems: Implications for management and global impacts (2 ECTS) Disaster management (2 ECTS) Introduction to modelling and simulation models (3 ECTS) Climate change and forest management: Impacts, adaptation, mitigation"(2 ECTS) Innovations for Sustainable Forest Management (3 ECTS) Forecasting and warning systems (3 ECTS) Statistics of extreme events and geostatistics (3 ECTS) Free elective lecture (3 ECTS)

Hohenheim's ASP 2 The modules offered for incoming students for which Hohenheim is the host university are listed below. Detailed information on the modules is provided in Appendix II from page 19 onwards.

The modules in ASP2 comprise two types of modules: semi-elective, and elective. Students have to combine the modules so that 30 credits are achieved. Priority should be given to the semi-elective modules. Students may choose one elective module from the module catalogue of the Faculty of Agricultural Sciences (not listed here, available at https://www.uni-hohenheim.de/modulkatalog.html?&L=1). The semi-elective modules of ASP2 at Hohenheim are listed below.

Semi-elect	Semi-elective modules		Credits
3202-430	Air Pollution and Air Pollution Control	block 1	6
4402-440	Agricultural Production and Residues	block 1	6
3202-410	Ecotoxicology and Environmental Analytics	block 2	6
3103-440	Matter Cycling in Agroecosystems	block 3	6
4403-530	Natural Resource Management (= Water and Soil Management in Agricultural Production)	block 3	6
3202-420	Global Change Issues	block 4	6

Specialisation: Environmental Impacts

Semi-elective modules		Blocked?	Credits
4602-460	Environmental Microbiology, Parasitology and Microbial Ecology	block 4	6
3004-410	Inland Water Ecosystems	block 5	6
4406-410	Waste Management and Waste Techniques	unblocked	6
Elective module			
One module may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			

Specialisation: Environmental Management

Semi-elect	Semi-elective modules		Credits
4904-460	Farm System Modelling	block 1	6
4901-420	Poverty and Development Strategies	block 1	6
4403-530	Natural Resource Management (= Water and Soil Management in Agricultural Production)	block 3	6
3004-410	Inland Water Ecosystems	block 5	6
4201-440	Economics and Environmental Policy	unblocked	6
4406-410	Waste Management and Waste Techniques	unblocked	6
Elective module			
One module may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			

Specialisation: Soil Resources and Land Use

Semi-elect	ive modules	Blocked?	Credits								
3101-410	Tropical Soils and Land Evaluation	block 1	6								
3202-410	Ecotoxicology and Environmental block 2 Analytics										
3301-450Fertilisation and Applied Soil Chemistry in the Tropics and Subtropicsblock 36											
4403-530	4403-530 Natural Resource Management (= Water and Soil Management in Agricultural Production) 6										
4904-430	Land Use Economics	block 4	6								
3102-420	Project in Soil Sciences (in English and German)	unblocked	6								
3102-450	Molecular Soil Ecology (not offered in 2011/12)	unblocked	6								
Elective module											
One module may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences											

Specialisation: Climate Change

Semi-elect	ive modules	Blocked?	Credits								
3202-430	Air Pollution and Air Pollution Control	block 1	6								
4403-530	Natural Resource Management (= Water and Soil Management in Agricultural Production)	block 3	6								
3202-420Global Change Issuesblock 46											
3803-450	Crop Production Affecting the Hydrological Cycle	block 4	6								
3004-410	Inland Water Ecosystems	block 5	6								
1201-410	Remote Sensing	unblocked	6								
4201-440	Economics and Environmental Policy	unblocked	6								
Elective module											
One module may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences											

Double Degree On successful completion of the M.Sc. programme a double degree diploma "Master of Science" (M.Sc.) in "Environmental Science – Soil, Water and Biodiversity" is issued. A double degree constitutes of a certificate from each of the two universities where the student has conducted his/her studies. This degree entitles the student to continue with a Ph.D./doctoral programme if the total grade is above average.

Admission Requirements Admission to the M.Sc. programme EnvEuro at Hohenheim is restricted to 10 students per year. Applicants require an above-average Bachelor of Science (B.Sc.) or equivalent degree in a natural science area such as Agricultural Sciences, Agricultural Biology, Biology, Environmental Sciences, Natural Resources or other following at least three years of university studies. Apart from grades and educational achievements, professional experience, motivation and other relevant activities (e.g. social, political) will be considered.

Applicants whose native language is not English and who are not citizen of a country with English as official language have to provide a proof of proficiency in English (i.e. a minimum of 83 points in the internet-based TOEFL Test).

- *Application Deadline* The application deadline for Non-EU-citizens is 1st January each year and for EU-citizens it is 1st of June each year. Please note that EnvEuro starts each year in the end of August with a compulsory one-week intensive introduction course in Copenhagen. All students from the four partner universities are introduced to each other to ensure that all students across home universities and host universities will get to know each other.
- **Fees and Expenses** A tuition fee of 500 € per Semester has to be paid by every student. Under certain conditions students can apply for a waiver from tuition fees. Also students are required to pay the registration fee (at present 115,05 € per semester). Students are expected to cover their own living expenses, including housing, food, health insurance, study materials etc. (approx. 700 €month).
- *Scholarships* Unfortunately, the University of Hohenheim is neither in a position to provide scholarships nor to assist with the application procedure. Applications for grants should therefore be directed to the relevant organisations.

Applicants wishing to obtain a grant are advised to request detailed information from the German Embassy or Consulate in their home country. It is generally advisable to apply for a scholarship and to secure confirmation well in advance.

- *Cost of Living* Students have to come up for their own living expenses. The standard of living is comparatively high and so is the cost of living. On estimate, a single student needs approximately Euro 700 per month. Apart from accommodation fees and food expenses, additional costs have to be taken into account, i.e. excursion fees, registration fees (see above), health insurance (which is a prerequisite for registering with a German university), personal liability insurance, study material, etc.
- **Housing** Each student is responsible for finding accommodation for him-/herself. The University of Hohenheim cannot guarantee accommodation in dormitories due to lack of capacity. However, the University of Hohenheim offers assistance with looking for accommodation. This may help international students to fulfil visa requirements. Rent for a single-room apartment amounts to about Euro 250 to 400 per month, depending on the size of the flat and distance from the University or the city of Stuttgart.
- **Dormitories** Dormitories are located on the campus or walking distance to the campus. All rooms are furnished and equipped with internet access. Kitchen and Bath facilities have to be shared with other students. The rent varies in between 210 and 270,- €per room per month, depending on the room and dormitory itself. A caution fee of 400,- € will have to be paid once in the beginning of the rental contract, in advance before moving in.
- *Visa Application* Students from outside the European Union have to apply for a visa in order to study in Germany. Applicants are strongly advised to contact the cultural department of the German Embassy or Consulate responsible for the city of residence as soon as the letter of admittance has been received. The letter of admittance will certify that knowledge of the German language is not required for participating in the Hohenheim Master programme.

The basic requirements for a student visa are the following: valid passport, photographs, proof of high school diploma / previous university study, letter of admittance from the University of Hohenheim and proof of a financing source for the duration of the study (or at least for the first year). As a prerequisite for obtaining a visa at least EUR 650 per month are required. Therefore, for the first year, applicants will have to prove a minimum availability of EUR 7,800 of own resources, unless some other financing source is at their disposal. In the latter case, one (or more) person(s) or sponsor(s) have to take official responsibility for all costs pertaining to the entire period of study.

Responsible Scientist	Prof. Dr. Andreas Fangmeier
and Mentor at UHOH	Department: Plant Ecology and Ecotoxicology
Contact	Programme Coordinator EnvEuro University of Hohenheim (790) 70593 Stuttgart Germany E-mail: enveuro@uni-hohenheim.de http://www.uni-hohenheim.de/enveuro

Module- Code	Name of Module	Sem.	Binding- ness	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
1201-410	Remote Sensing	1	Semi- elective	Wulfmeyer	Engl.	1 Sem.	written or oral	1201-412 1201-411	 Remote Sensing tutorials Remote Sensing lectures 	 Dr. rer. nat. Andreas Behrendt, Prof. Dr. Volker Wulfmeyer Dr. rer. nat. Andreas Behrendt, Prof. Dr. Volker Wulfmeyer 	 Übung Vorlesung 	• 2 • 2
3004-410	Inland Water Ecosystems	1	Semi- elective	Tremp	Engl.	3,5 weeks (B05)	written	3004-411	 Inland Water Ecosystems 	PD Dr. Horst Tremp	 Vorlesung mit Übung 	• 4
3005-410	Environmental Management in Europe (EME)	1	compuls ory	Fangmeier	Engl.	1 Sem.	written	3005-411	 Environmental Management in Europe (EME) 	 Prof. Dr. Christian Bugge Henriksen 	• E- Learning	• 10
3005-420	Climate Change Impacts, Adaptation and Mitigation	2	see pp. 6-7	Fangmeier	Engl.	1 Sem.	electronic exam	3005-421	 Climate Change Impacts, Adaptation and Mitigation 	 Prof. Dr. Christian Bugge Henriksen 	• E- Learning	• 10
3005-430	Restauration of European Ecosystems and Freshwaters (previously: Environmental Case Studies in Europe)	2	elective	Fangmeier	Engl.	geblockt	The portf- olio consists of 4-5 as- signments mostly worked in groups but at least one is indivi- dually (Oral or written).	3005-431	 Restauration of European Ecosystems and Freshwaters (previously: Environmental Case Studies in Europe) 	Prof. Dr. Andreas Fangmeier	 Exkursion 	• 5
3101-430	Interdisciplinary Advanced Soil Science Project	2	see pp. 6-7	Stahr	Germ/ Engl.	1 Sem.		3101-431	 Interdisciplinary Advanced Soil Science Project 	 Prof. Dr. Ellen Kandeler, Prof. Dr. Torsten 	▪ Übung	• 4

Annex I: Modules offered within the EnvEuro-Programme for Hohenheim's students. The modules are sorted by module-code.

Module- Code	Name of Module	Sem.	8	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
										Müller, Prof. Dr. Karl Stahr, Prof. Dr. Thilo Streck		
3102-420	Project in Soil Sciences	2	see pp. 6-7	Kandeler	Germ/ Engl.	1 Sem.	oral	3102-421	 Project in Soil Sciences 	 Prof. Dr. Ellen Kandeler, Prof. Dr. Karl Stahr, Prof. Dr. Thilo Streck 	• Seminar	• 4
3102-440	Environmental Pollution and Soil Organisms	2	see pp. 6-7	Kandeler	Engl.	3,5 weeks (B06)	oral (70%), in-course assessment (30%, seminar presentation)	3102-443 3102-441 3102-442	 Course on Methods in Soil Biology Environmental Geomicrobiology Methods in Soil Biology 	 Prof. Dr. Ellen Kandeler, Dr. Christian Poll Prof. Dr. Ellen Kandeler Prof. Dr. Ellen Kandeler 	 Übung Vorlesung mit Exkursion Vorlesung 	• 1 • 2 • 1
3103-440	Matter Cycling in Agroecosystems	1	compuls ory	Streck	Engl.	3,5 weeks (B03)	written	3103-441	 Matter Cycling in Agroecosystems 	 Prof. Dr. Thilo Streck 	 Vorlesung mit Übung 	• 4
3103-450	Spatial Data Analysis with GIS	2	see pp. 6-7	Streck	Engl.	3,5 weeks (B07)	written	3103-451 3103-452	 Spatial Data Analysis with GIS Working with Spatial Data Using Geographical Information Systems 	 Prof. Dr. Thilo Streck Prof. Dr. Thilo Streck 	 Vorlesung Übung 	• 2 • 2
3103-460	Environmental Science Project	2	see pp. 6-7	Streck	Engl.	3,5 weeks (B09)	oral (70%) with in- course assessment (seminar presentation of the group work)	3103-461	 Environmental Science Project 	 Prof. Dr. Thilo Streck 	 Vorlesung mit Seminar, Exkursion und Laborübun gen 	• 4

Module- Code	Name of Module		Binding- ness	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
							(30%)					
3201-540	Greek Summer School - Conservation Biology	2	elective	Dieterich	Engl.	3,5 weeks (B09)	Written 30%, participation 30%, project 40%	3201-541	 Greek Summer School - Conservation Biology 	 Prof. Dr. Martin Dieterich 	 Vorlesung mit Übung und Exkursion 	• 4
3202-420	Global Change Issues	1	Semi- elective	Fangmeier	Engl.	3,5 weeks (B04)	written	3202-423 3202-421 3202-422	 Experiments on Global Change Introduction to Global Change Seminar on Global Change 	 Prof. Dr. Andreas Fangmeier, Dr. Jürgen Franzaring, Dr. Petra Högy Prof. Dr. Andreas Fangmeier, Dr. Jürgen Franzaring, Dr. Petra Högy, PD Dr. Andreas Klumpp Prof. Dr. Andreas Fangmeier, Dr. Jürgen Franzaring, Dr. Petra Högy 	 Praktikum Vorlesung Seminar 	• 1 • 2 • 1
3401-450	Conservation Agriculture	2	see pp. 6-7	Claupein	Engl.	1 Sem.	oral (2/3) with excursion report (1/3)	3401-451	 Conservation Agriculture 	 Prof. Dr. Wilhelm Claupein, Prof. Dr. Roland Gerhards, Prof. Dr. Hans W. Griepentrog, Prof. Dr. Karlheinz Köller, Dr. Martina Mayus 	 Vorlesung mit Seminar und Exkursion 	• 4

Module- Code	Name of Module	Sem.	Binding- ness	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
3402-420	Quantitative Methods in Biosciences	1	compuls ory	Piepho	Engl.	1 Sem.	written	3402-421	 Quantitative Methods in Biosciences 	 Prof. Dr. Hans- Peter Piepho 	 Vorlesung mit Laborübun gen 	• 4
3802-420	Biodiversity, Plant and Animal Genetic Resources	2	see pp. 6-7	Sauerborn	Engl.	3,5 weeks (B08)	written	3802-421	 Biodiversity, Plant and Animal Genetic Resources 	 M. Sc. Inga Häuser, apl. Prof. Dr. Konrad Martin, Prof. Dr. Joachim Sauerborn, Prof. Dr. Karl Schmid, Prof. Dr. Anne Valle Zárate 	 Vorlesung mit Seminar, Exkursion und Laborübun gen 	• 4
3803-450	Crop Production Affecting the Hydrological Cycle	1	Semi- elective	Asch	Engl.	3,5 weeks (B04)	seminar paper and oral exam	3803-451	• Crop Production Affecting the Hydrological Cycle	 Prof. Dr. Folkard Asch, Dr. Holger Brück, Prof. Dr. Joachim Müller 	 Vorlesung mit Übung 	• 4
4201-410	Agricultural and Food Policy	2	see pp. 6-7	Grethe	Engl.	3,5 weeks (B08)	written	4201-411	 Agricultural and Food Policy 	• Prof. Dr. Harald Grethe	 Übung 	• 4
4403-470	Renewable Energy for Rural Areas	2	see pp. 6-7	Müller	Engl.	3,5 weeks (B09)	written	4403-471	 Renewable Energy for Rural Areas 	 Prof. Dr. Joachim Müller, Prof. Dr. Manfred Zeller 	 Vorlesung mit Exkursion und Praktikum 	• 4
4904-430	Land Use Economics	1	see pp. 6-7	Berger	Engl.	3,5 weeks (B04)	written	4904-432 4904-431	 Land Use Economics - Case Study Land Use Economics - Lecture 	 Prof. Dr. Thomas Berger Prof. Dr. Thomas Berger 	PraktikumVorlesung	• 2 • 2

Annex II: Modules offered for incoming students from Hohenheims partner universities in ASP2 (winter term). The modules are sorted by module-code. (Choose four modules of your specialisation on page 11-13. One elective module may be freely chosen.)

Module- Code	Name of Module		Binding- ness	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
1201-410	Remote Sensing	3	Semi- elective	Wulfmeyer	Engl.	1 Sem.	written or oral	1201-412 1201-411	 Remote Sensing tutorials Remote Sensing lectures 	 Dr. rer. nat. Andreas Behrendt, Prof. Dr. Volker Wulfmeyer Dr. rer. nat. Andreas Behrendt, Prof. Dr. Volker Wulfmeyer 	ÜbungVorlesung	• 2 • 2
3004-410	Inland Water Ecosystems	3	Semi- elective	Tremp	Engl.	3,5 weeks (B05)	written	3004-411	 Inland Water Ecosystems 	• PD Dr. Horst Tremp	 Vorlesung mit Übung 	• 4
3101-410	Tropical Soils and Land Evaluation	3	Semi- elective	Stahr	Engl.	3,5 weeks (B01)	oral	3101-411	 Tropical Soils and Land Evaluation 	 PD Dr. Sabine Fiedler, Prof. Dr. Karl Stahr 	 Vorlesung mit Seminar, Praktikum und Exkursion 	• 4
3102-420	Project in Soil Sciences	3	Semi- elective	Kandeler	Germ/ Engl.	1 Sem.	oral	3102-421	 Project in Soil Sciences 	 Prof. Dr. Ellen Kandeler, Prof. Dr. Karl Stahr, Prof. Dr. Thilo Streck 	 Seminar 	• 4
3102-450	Molecular Soil Ecology	3	Semi- elective	Kandeler	Engl.	1 Sem.	oral	3102-452 3102-451	 Course in Molecular Soil Ecology Microbiology of the Rhizosphere 	 Prof. Dr. Ellen Kandeler, Dr. Sven Marhan, Dr. Frank Rasche Prof. Dr. Ellen 	ÜbungVorlesung	• 3 • 1

Module- Code	Name of Module	Sem.	Binding- ness	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
										Kandeler, PD Dr. Günther Neumann		
3103-440	Matter Cycling in Agroecosystems	3	Semi- elective	Streck	englis ch	3,5 weeks (B03)	written	3103-441	 Matter Cycling in Agroecosystems 	 Prof. Dr. Thilo Streck 	 Vorlesung mit Übung 	• 4
3202-410	Ecotoxicology and Environmental Analytics	3	Semi- elective	Fangmeier	englis ch	3,5 weeks (B02)	written	3202-411	 Ecotoxicology and Environmental Analytics 	 Prof. Dr. Andreas Fangmeier 	 Vorlesung mit Seminar 	• 4
3202-420	Global Change Issues	3	Semi- elective	Fangmeier	englis ch	3,5 weeks (B04)	written	3202-423 3202-421 3202-422	 Experiments on Global Change Introduction to Global Change Seminar on Global Change 	 Prof. Dr. Andreas Fangmeier, Dr. Jürgen Franzaring, Dr. Petra Högy Prof. Dr. Andreas Fangmeier, Dr. Jürgen Franzaring, Dr. Petra Högy, PD Dr. Andreas Klumpp Prof. Dr. Andreas Fangmeier, Dr. Jürgen Franzaring, Dr. Petra Högy 	 Praktikum Vorlesung Seminar 	• 1 • 2 • 1
3202-430	Air Pollution and Air Pollution Control	3	Semi- elective	Fangmeier	englis ch	3,5 weeks (B01)	written	3202-431 3202-432 3202-433	 Air Pollutants Laboratory Course on Selected Air Pollutants Seminar on Air Pollution and Air Pollution Control 	 Prof. Dr. Andreas Fangmeier Prof. Dr. Andreas Fangmeier Prof. Dr. Andreas Fangmeier 	 Vorlesung Übung Seminar 	• 2 • 1 • 1

Module- Code	Name of Module	Sem.	Binding- ness	Responsible Professor	Lan- guage	Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
3301-450	Fertilisation and Applied Soil Chemistry in the Tropics and Subtropics	3	Semi- elective	Müller	englis ch	1 Sem.	oral (75%), presentation with handout (25%)	3301-451	 Fertilisation and Applied Soil Chemistry in the Tropics and Subtropics 	 Frau Ursula Berghammer, Prof. Dr. Torsten Müller, Dr. Rudolf Schulz, Herr Markus Weinmann 	 Vorlesung mit Seminar und Laborübun gen 	• 4
3803-450	Crop Production Affecting the Hydrological Cycle	3	Semi- elective	Asch	englis ch	3,5 weeks (B04)	seminar paper and oral exam	3803-451	Crop Production Affecting the Hydrological Cycle	 Prof. Dr. Folkard Asch, Dr. Holger Brück, Prof. Dr. Joachim Müller 	 Vorlesung mit Übung 	• 4
4201-440	Economics and Environmental Policy	3	Semi- elective	Grethe	englis ch	1 Sem.	written exam	4201-441 4201-442	 Basic Microeconomics Environmental Policy 	 Prof. Dr. Harald Grethe Prof. Dr. Christian Lippert 	VorlesungVorlesung	• 2 • 2
4402-440	Agricultural Production and Residues	3	Semi- elective	Jungbluth	englis ch	3,5 weeks (B01)	oral	4402-443 4402-441 4402-442 4402-444	 Basics of Animal Nutrition Basics of Crop Production Systems Basics of Mechanization in Crop Production Livestock Production Systems 	 Prof. Dr. Rainer Mosenthin Prof. Dr. Wilhelm Claupein, M. Sc. Inga Häuser, Prof. Dr. Joachim Sauerborn Prof. Dr. Karlheinz Köller Prof. Dr. Werner Bessei, Prof. Dr. Thomas Jungbluth 	 Vorlesung mit Exkursion Vorlesung mit Exkursion Vorlesung mit Exkursion Vorlesung mit Exkursion 	• 1 • 1 • 1
4403-530	Natural Resource Management (= Water and Soil Management in Agricultural Production)	3	Semi- elective	Müller	englis ch	3,5 weeks (B03)	written	4403-531	 Natural Resource Management (= Water and Soil Management in Agricultural Production) 	 Prof. Dr. Joachim Müller, Prof. Dr. Karl Stahr 	 Vorlesung mit Übung und Seminar 	• 4

Module- Code	Name of Module	Sem.	Binding- ness	Responsible Professor		Module- Duration		LV-Code	Courses of the Module	Lecturer(s)	Туре	SWS
4406-410	Waste Management and Waste Techniques	3	Semi- elective	Kranert	englis ch	1 Sem.	written	4406-411	 Waste Management and Waste Techniques 	 Herr Detlef Clauß, Herr Matthias Rapf 	 Vorlesung 	• 4
4602-460	Environmental Microbiology, Parasitology and Microbial Ecology	3	Semi- elective	Hölzle	englis ch	3,5 weeks (B04)	written	4602-461	 Environmental Microbiology, Parasitology and Microbial Ecology 	 Herr Engesser, Prof. Dr. Ludwig Hölzle, Prof. Dr. Ellen Kandeler, Prof. Dr. Andreas Kuhn, Prof. Dr. Ute Mackenstedt 	Vorlesung	• 4
4901-420	Poverty and Development Strategies	3	Semi- elective	Zeller	englis ch	3,5 weeks (B01)	written	4901-421	 Poverty and Development Strategies 	 Prof. Dr. Manfred Zeller 	• Vorlesung	• 4
4904-430	Land Use Economics	3	Semi- elective	Berger	englis ch	3,5 weeks (B04)	written	4904-432 4904-431	 Land Use Economics Case Study Land Use Economics Lecture 	 Prof. Dr. Thomas Berger Prof. Dr. Thomas Berger 	PraktikumVorlesung	• 2 • 2
4904-460	Farm System Modelling	3	Semi- elective	Berger	englis ch	3,5 weeks (B01)	written	4904-461 4904-463 4904-462	 Farm System Modelling Introduction to Excel Spreadsheet Models Modelling of Land Use Decisions with Mathematical Programming 	 Prof. Dr. Thomas Berger Prof. Dr. Thomas Berger Prof. Dr. Thomas Berger 	 Vorlesung Tutorium Praktikum 	• 2 • 4 • 2

Block Periods 2011/2012

	Block	Period
er	1	17.10. – 09.11.2011
Semester	2	10.11 02.12.2011
	3	05.12 11.01.2012
Winter	4	12.01 03.02.2012
M	5	06.02 28.02.2012
ter	6	02.04 26.04.2012
Semester	7	27.04 23.05.2012
	8	24.05 25.06.2012
Summer	9	26.06 19.07.2012
Sui	10	20.07 13.08.2012

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 register 3 weeks before the respective block at the responsible institute!

Blocked Modules Winter Semester 2011/12

\cap –	Flecti
	1 10001

= Compulsory	I = Semi-electiv	re ○ = Ele	ective			
Period	1 (17 days)	2 (17 days)	3 (17 days)	4 (17 days)	5 (17 days)	
Study Course	17.10 09.11.2011	10.11 02.12.2011	05.12. – 22.12.11 9.01. – 11.01.2012	12.01 03.02.2012	06.02 28.02.2012	by Arrangement
M. Sc. AgEcon	● 4904-460 (Berger) Farm System Modelling	• 4902-410 (Brockmeier) Applied Econometrics	● 4903-480 (Birner) Governance, Institut. and Organisat. Development	 4301-410 (Hoffmann) Knowledge and Innovation Management 	 4201-420 (Grethe) Advanced Policy Analysis Modelling 	
	 4901-420 (Zeller) Poverty and Development Strategies 		4 4902-420 (Brockmeier) International Food and Agri- cultural Trade (in 12/13!)	4904-430 (Berger) Land Use Economics		
M. Sc. AgriTropics	• 4901-420 (Zeller) Poverty and Development Strategies	• 3802-410 (Sauerborn) Ecology and Agroecosystems	• 4403-530 (Müller, J.) Natural Resource (Water and Soil) Management	• 3801-420 (Cadisch) Crop Production Systems	• 4801-450 (Valle Zárate) Livestock Production Systems	
	O 4301-430 (Hoffmann) Rural Communication and Extension	4904-450 (Berger) Farm and Project Evaluation	O 4901-470 (Zeller) Quantitative Methods in Economics	O 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	O 3405-410 (Zikeli) Organic Farming in the Tropics and Subtropics O 4802-420 (N.N.)	
	○ 3101-410 (Stahr) Tropical Soils and Land Evaluation	O 4802-410 (Focken) In- tensive Aquacult. Systems O - 3803-440 (Asch) Signal-	Breeding Programmes	O 3501-440 (Melchinger) Plant Breeding and Seed Science in the T+S	Phys. and Ecol. Aspects of Animal Nutrition T+S	
		ling in Plants under Stress (in 12/13!)	→4902-420 (Brockmeier) International Food and Agri- cultural Trade (in 12/13!)	 4903-490 (Birner) Social Dimensions of Agricultural Development 	○ 4903-510 (Birner) Agriculture and Food Se- curity in Fragile Systems	
M. Sc. Crop Sciences		4 3803-440 (Asch) Signalling in Plants under Stress (in 12/13!)		 3501-460 (Melchinger) Planning. of Breeding Programmes 		 3301-460 (Müller, T.) Exercises in Plant Nutrition (after B5)
M. Sc. EnviroFood	VB● 4402-440 (Jung- bluth) Agricultural Production and Residues	 3202-410 (Fangmeier) Ecotoxicology and Environmental Analytics 	• 3103-440 (Streck) Matter Cycling in Agro- Ecosystems	 4602-460 (Hölzle) Environmental Micro- biology, Parasitology 	● 3004-410 (Tremp) Inland Water Ecosystems	
	VB● 1503-410 (Kohlus) Food Technology and Residues	 3802-410 (Sauerborn) Ecology and Agroecosystems 	 4403-530 (Müller, J.) Natural Resource (Water and Soil) Management 4902-420 (Brockmeier) International Food and Agri- 	3202-420 (Fangmeier) Global Change Issues	 € 3003-410 (Schöne) Food Safety and Quality Chains (February 7-17, 6 hours per day) 	 3301-460 (Müller, T.) Exercises in Plant Nutrition (after B5)
M. Sc. EnvEuro (first year and elective modules	O 4402-440 (Jungbluth) Agricultural Production and Residues	O 3202-410 (Fangmeier) Ecotoxicology and Environmental Analytics	cultural Trade (in 12/13!) ● 3103-440 (Streck) Matter Cycling in Agro- Ecosystems	• 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	€ 3004-410 (Tremp) Inland Water Ecosystems	
of second year)	 3202-430 (Fangmeier) Air Pollution and Air Pollution Control 4904-460 (Berger) 	O 3802-410 (Sauerborn) Ecology and Agroecosystems	O 4403-530 (Müller, J.) Natural Resource (Water and Soil) Management	 4602-460 (Hölzle) Environmental Microbiology, Parasitology 3202-420 (Fangmeier) 		
	Farm System Modelling O 4901-420 (Zeller) Po- verty and Dev. Strategies			Global Change Issues 4904-430 (Berger) Land Use Economics		
	O 3101-410 (Stahr) Trop. Soil and Land Evaluation					

Blocked Modules Summer Semester 2012

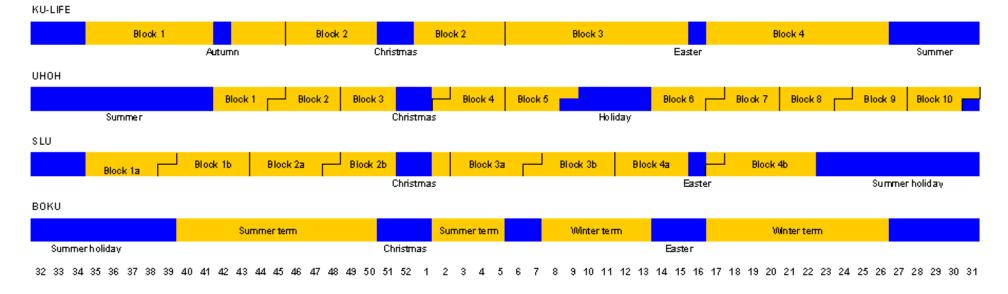
Period	6 (17 days)	7 (17 days)	8 (17 days)	9 (17 days)	10 (17 days)	
Study Course	02.04 26.04.2012	27.04 23.05.2012	24.05 25.06.2012	26.06 19.07.2012	20.07 13.08.2012	by Arrangement
M. Sc. AgEcon		● 4101-410 (Lippert) Environmental and Resource Economics	● 4201-410 (Grethe) Agricultural and Food Policy	 4903-500 (Birner) Policy Processes in Agriculture and Natural Resource Management 	O 4902-430 (Brockmeier) Food and Nutrition Security	
M. Sc. AgriTropics	 3803-470 (Asch) Interdisciplinary Practical Science Training (AgriTropics only!) 	O 4901-430 (Zeller) Rural Development Policy and Institutions	 O 4201-410 (Grethe) Agricultural and Food Policy ○ 3802-420 (Sauerborn) 	⊖4 902-420 (Brockmeier) International Food and Agricultural Trade	○ 4902-430 (Brockmeier) Food and Nutrition Security	
		 3801-430 (Cadisch) Integrated Agricultural Production Systems 	Biodiversity, Plant and	○ 4403-470 (Müller, J.) Renewable Energy f. Rural Areas	○ 3803-430 (Asch) Ecophysiology of Crops in the T+S	
		O 4801-410 (Valle Zárate) Genetic Resources and Animal Husbandry Systems	Postharvest Technology of Food and Bio-Based Prod. O 4801-420 (Valle Zárate) Promotion of Livestock	O 4802-430 (Focken) Integration of Aquacult. in Agricult. Farm. Systems	O 4602-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	
M. Sc. Crop Sciences	O 4407-430 (Griepentrog) Precision Farming		 4 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 4403-550 (Müller, J.) Postharvest Technology of Food & Bio-Based Prod. 	● 3103-460 (Streck) Environmental Science Project ● 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 4201-410 (Grethe) Agricultural and Food Policy 	 3103-460 (Streck) Environmental Science Project 4403-470 (Müller, J.) Renewable Energy for Rural Areas 		
M. Sc. OrganicFood					 4801-460 (Valle Zára- te) Organic Livestock Farming and Products 	
M. Sc. Saiwam (Hohenheim)	 3101-520 (Stahr) Inter- disciplinary Study Project unblocked! 	●3103-450(Streck) Spa- tial Data Analys.with GIS ● 4901-430 (Zeller) Ru- ral Dev. Policy and Instit.	O 3101-460 (Stahr) Mapping Course	 4802-430 (Focken) Integration of Aquaculture in Agricult. Farming Systems 	 € 4903-470 (Birner) Qualitative Research Methods in Rural Development Studies 	

Please register 3 weeks before the respective block at the responsible institute.

Unblocked Modules taught in English at the Faculty of Agricultural Sciences

○ = Wahl/Elective

<u> </u>	1 mor		npui	301 y	. -	Wahipflicht/Semi-elective \bigcirc = Wahi/Elective
Ē	ŝ	Crop Sciences	EnvEuro	Å	<u>.</u>	
AgEcon	Agri- Tropics	enc	ň	/irc	Organic- Food	
AgI	Agr Γro	Sci	Ľ.	i i	5 °	Unblocked Modules in Winter Semester (October - February)
0	0	0			0	1201-410 (Wulfmeyer) Remote Sensing
-	-	-	•	-	-	3005-410 (Fangmeier) Environmental Management in Europe (for EnvEuro only!)
0	0	0		0	0	3101-450 (Stahr) Major Pedological Field Trip (English + German)
0	0	0	0	0	0	3102-420 (Kandeler) Project in Soil Sciences (English + German)
0	0	0	0	0	0	3102-450 (Kandeler) Molecular Soil Ecology
0	0	0		0	0	3301-440 (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
0	0	0	0	0	0	3301-450 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S
0	0			0	0	3302-450 (Neumann) Plant Symbioses for Nutrient Acquisition
0	0			0	0	3302-460 (Ludewig) Plant Quality
0	0	•		0	0	3401-470 (Claupein) Crop Physiology
0	•	0	•	0	0	3402-420 (Piepho) Quantitative Methods in Biosciences
0	0	0		0	0	3405-450 (Zikeli) Problems and Perspectives of Organic Farming (not in WS 11/12!)
0	0	0		0	•	3405-460 (Zikeli) Processing and Quality of Organic Food
0	0	0		0	•	3405-470 (Zikeli) Organic Food Systems and Concepts
0	0			0	0	3501-470 (Melchinger) Selection Theory
	6	•				3502-440 (Schmid) Methods of Scientific Working for Crop Sciences
0	0			0	0	3502-450 (Schmid) Population and Quantitative Genetics
0	0			0	0	3504-430 (Kruse) Seed Research
0	0			0	0	3601-450 (Vögele) Phytopathology
0	0			0	0	3602-450 (Gerhards) Molecular Aspects of Plant Protection
0	0			0	0	3603-480 (Zebitz) Entomology
0	0			0	0	3603-470 (Zebitz) Ecology of Insects
\ominus	\ominus	Φ		Φ	•	4101-430 (Dabbert) Socioeconomics of Organic Farming (replaced by 4201-440!)
0	0	0			•	4201-440 (Grethe) Economics and Environmental Policy
0	0	0		0		4303-440 (Bellows) Social Conditions of Organic and Sustainable Agriculture
0	0	0	0	0	0	4303-490 (Bellows) Ethics of Food and Nutrition Security
0	0	0			0	4406-410 (Kranert) Waste Management and Waste Techniques
	0	0		0	0	4904-410 (Berger) Agricultural Economics Seminar
		S	•			
uo	cs	ce	nro	Υ	nic	
AgEcon	pi i	op ien	EnvEuro	vir od	gai od	Unblocked Modules in Summer Semester (April - July)
Ag	Agri- Tropics	Crop Sciences	Б	En Fo	Organic- Food	onblocked modules in Summer Semester (April - Suly)
-	-	-		-	-	3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)
0	0	0	0	0	0	3101-430 (Stahr) Interdisciplinary Advanced Soil Science Project (<i>English</i> + <i>German</i>)
0	0	0	0	0	0	3101-440 (Stahr) Soil Genesis, Classification and Geography (<i>English</i> + <i>German</i>)
0	0	0	0	0	0	3101-450 (Stahr) Major Pedological Field Trip (<i>English</i> + <i>German</i>)
0	0	0	0	0	0	
0	0	0		0	0	3102-420 (Kandeler) Project in Soil Sciences (<i>English</i> + <i>German</i>)
0	0	0	٩	0		3401-450 (Claupein) Conservation Agriculture
					•	3401-460(Claupein) Organic Plant Production
0	0	•		0	0	3402-430 (Piepho) Bioinformatics
0	0	0		0	0	3405-450 (Zikeli) Problems and Perspectives of Organic Farming
0	0	0		0	•	3405-490 (Zikeli) Project in Organic Agriculture and Food Systems
0	0			0	0	3501-450 (Melchinger) Breeding Methodology
0	0	0		0	0	3603-420 (Zebitz) Crop Protection in Organic Farming
		0		0	0	3603-490 (Zebitz) Biological Pest Control
0	0			0	0	3703-430 (Wünsche) Crop – Environment Interactions
	0	0		0	0	4202-420 (Becker. T.) Microeconomics
0	0	0		0	•	4202-440 (Becker. T) Markets and Marketing of Organic Food
	0	0			0	4303-470 (Bellows) Gender, Nutrition, and Right to Food
\cap	0	0			\bigcirc	4303-480 (Bellows) Global Nutrition
0	•					4903-460 (Birner) Methods in Interdisciplinary Collaboration (for AgriTropics only!)

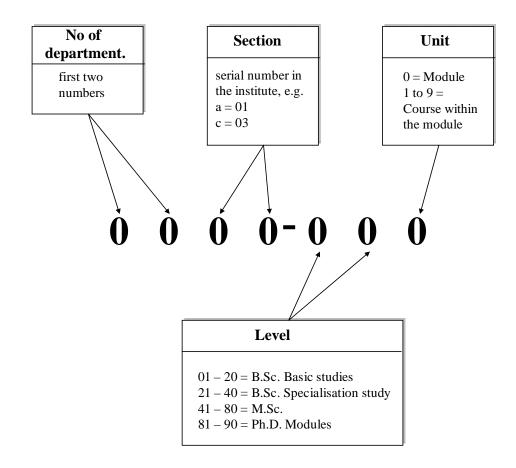


Scheme showing the semester structures at the four partner universities during all calendar weeks

Holiday

Semester

Explanation of Module Code



Day Hour	Monday	Thuesday	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

2	First day of <u>un-</u> blocked modules:	(41. KW) Monday, 10.10.2011
WS 11/12	First day of blocked modules:	(42. KW) Monday, 17.10.2011
	Last day of <u>un-</u> blocked modules:	(5. KW) Saturday, 04.02.2012
	Last day of blocked modules:	(9. кw) Tuesday, 28.02.2012
SS 12	First day of blocked modules:	(<u>14. KW</u>) Monday, 02.04.2012
	First day of <u>un-</u> blocked modules:	(<u>15. KW</u>) Tuesday, 10.04.2012
	Last day of <u>un-</u> blocked modules:	(<u>29. кw</u>) Saturday,21.07.2012
	Last day of blocked modules:	(<u>33. кw</u>) Monday, 13.08.2012

Free of lectures: All Saints' Day: 01.11.2011, Christmas holidays: 19.12.2011 – 07.01.2012 (blocks: 23.12.11 – 07.01.12), Easter holidays: 06. – 09.04.2012, Labour Day: 01.05.2012, Ascencion Day: 17.05.2012, Pentecost holidays: 29.05.2012 –02.06.2012 (except excursions), Feast of Corpus Christi: 07.06.2012. The "Dies Academicus" (date not yet known!) will be free of lectures too!

Examination periods in winter semester 2011/12

B.Sc. and M.Sc. period 1:	calendar week 6 to 8
B.Sc. and M.Sc.: period 2:	calendar week 12 to 14
Deadline for the registration for exams:	see notice-board of examination office

Examination periods in summer semester 2012

B.Sc. and M.Sc. period 1:	calendar week 30 to 32
B.Sc. and M.Sc.: period 2:	calendar week 40 to 41
Deadline for the registration for exams:	see notice-board of examination office

A registration form is available at 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).