

UNIVERSITÄT HOHENHEIM
FAKULTÄT AGRARWISSENSCHAFTEN



Environmental Science -Soil, Water and
Biodiversity
Master of Science

Curriculum



August 2013

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Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with comprehensive information about the M.Sc. programme „Environmental 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 (enveuro@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 on the university's homepage: www.uni-hohenheim.de.

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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 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 UCPH University in Copenhagen, in which participation is obligatory. 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.

Programme Design of the M.Sc. „EnvEuro”

University of Hohenheim Home university		Host university (UCPH / SLU / BOKU)	
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
Introduction week and EME module (e-learning based), 15 ECTS	2 ½ modules each 6 ECTS 15 ECTS	Environmental Impacts 30 ECTS	UCPH or SLU or BOKU 30 ECTS
		Environmental Management 30 ECTS	
		Soil Resources and Land Use 30 ECTS	
		Climate Change 30 ECTS	
		Water Resources SLU or BOKU, 30 ECTS	
		Environmental Impacts UCPH, 30 ECTS	
Soil Resources and Land Use UCPH or SLU or BOKU, 30 ECTS	30 ECTS		
Ecosystems and Biodiversity SLU or BOKU, 30 ECTS			
Environmental Management UCPH, 30 ECTS			
Climate Change UCPH or SLU or BOKU, 30 ECTS			

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

Programme Objectives and Conditions

The programme EnvEuro focuses on the relationships between natural resource 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 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 University of Hohenheim

EnvEuro 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 semi-elective modules (BSP) (one to choose)		Blocked?	Credits
3202-420	Global Change Issues	block 4	6
4904-430	Land Use Economics (<i>high level!</i>)	block 4	6
3803-450	Crop Production Affecting the Hydrological Cycle (<i>high level!</i>)	block 4	6
3004-410*	Inland Water Ecosystems	block 5	6
1201-410	Remote Sensing	unblocked	6

*** Please register for participation as described in the module descriptions.**

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)..

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 (until summer term 2013)

Compulsory 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
Elective modules			
Two modules may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			
Suggestions for-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

Specialisation Environmental Impacts (projected: summer term 2014)

Compulsory 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
Elective modules			
Up to two modules may be freely chosen from the module catalogue of all master courses of the Faculty of Agricultural Sciences			
Suggestions for-elective modules		Blocked?	Credits
1201-500	Remote Sensing of the Earth System	unblocked	6
3102-440	Environmental Pollution and Soil Organisms	block 6	6

Specialisation Environmental Management (until summer term 2013)

Compulsory modules (together 12 credits)		Blocked?	Credits
3103-450	Spatial Data Analysis with GIS	block 7	6
4201-410	Agricultural and Food Policy	block 8	6
Semi-elective 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 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 (proj.: summer term 2014)

Compulsory modules (together 12 credits)		Blocked?	Credits
3103-450	Spatial Data Analysis with GIS	block 7	6
4201-410	Agricultural and Food Policy	block 8	6
Semi-elective modules (at least 6 credits to choose)		Blocked?	Credits
3103-460	Environmental Science Project	block 9	6
3603-500	Exercises in Biological Pest Control	block 10	6
4403-470	Renewable Energy for Rural Areas	block 9	6
4407-430	Precision Farming	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 Soil Resources and Land Use (until summer term 2013)

Compulsory modules (together 12 credits)		Blocked?	Credits
3301-470	Fertilisation and Applied Soil Chemistry in the Tropics and Subtropics	e-learning	6
3103-450	Spatial Data Analysis with GIS	block 7	6
Semi-elective modules (at least 6 credits to choose)		Blocked?	Credits
3401-450	Conservation Agriculture	unblocked	6
3005-420	Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
3102-420	Project in Soil Science	unblocked	6
3102-440	Environmental Pollution and Soil Organisms	block 6	6
3101-430	Interdisciplinary Advanced Soil Science Project	block 9	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 Soil Resources and Land Use (proj.:summer term 2014)

Compulsory modules (together 12 credits)	Blocked?	Credits
3301-470 Fertilisation and Applied Soil Chemistry in the Tropics and Subtropics	e-learning, unblocked	6
3103-450 Spatial Data Analysis with GIS	block 7	6
Semi-elective modules (at least 6 credits to choose)	Blocked?	Credits
3401-450 Conservation Agriculture	unblocked	6
3102-420 Project in Soil Science	unblocked	6
3102-440 Environmental Pollution and Soil Organisms	block 6	6
3101-430 Interdisciplinary Advanced Soil Science Project	block 9	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 (until summer term 2013)

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

Specialisation Climate Change (projected for summer term 2014)

Compulsory modules (together 6 credits)	Blocked?	Credits
3103-450 Spatial Data Analysis with GIS	block 7	6
Semi-elective modules (at least 12 credits to choose)	Blocked?	Credits
3802-420 Biodiversity, Plant and Animal Genetic Resources	block 8	6
3103-460 Environmental Science Project	block 9	6
4404-470 Renewable Energy for Rural Areas	block 9	6
3103-500 Energy and Water Regime at the Land Surface	unblocked	6

1201-490	Climate History and Evolution of the Earth System	unblocked	4
1201-500	Remote Sensing of the Earth System	unblocked	6
1201-440	Measurement, Modeling and Data Assimilation I	unblocked	8
Elective modules			
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 University of Hohenheim. This substitution needs the approval of the mentor.

Individual Timetable

The Course Catalogue of the 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.

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 grades and marks. The highest score is 1.0 [grade A]. A score of 4.0 [grade D] is required for passing.

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

	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

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

Study and Examination Plan

Students 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 co-ordinator or 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.

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; mark 4.0). 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 Hohenheim

Most modules are organised and taught by professors who have broad experience 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 20).

The modules of the other partner universities can be found at:

<http://www.enveuro.eu/Master-programme/Specialisations-and-courses.aspx>

Hohenheim's ASP 2

The modules offered for incoming students for which Hohenheim is the host university are listed below.

The modules in ASP2 comprise two types of modules: semi-elective, and elective. Students have to combine semi-elective modules of their specialisation so that a minimum of 24 credits is achieved. In addition 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.

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 University of Hohenheim. This substitution needs the approval of the mentor.

Specialisation: Environmental Impacts (until winter term 2013/2014)

Semi-elective modules	Blocked?	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
4403-580 Water and Soil Management in Agricultural Production	block 3	6
3202-420 Global Change Issues	block 4	6
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 Impacts (winter term 2014/2015)

Semi-elective modules	Blocked?	Credits
To be defined later		
<p align="center">(No further modules can be given right now (August 2013) since the whole M.Sc. module catalogue at UHOH will probably change completely in winter term 2014/2015)</p> <p align="center">Thus, ASP2 will be updated in spring 2014</p> <p align="center">It is however guaranteed that a full semester package in the specialisation Environmental Impacts will be offered in winter term 2014/2015</p>		

Specialisation: Environmental Management (until winter term 2013/2014)

Semi-elective modules	Blocked?	Credits
4904-460 Farm System Modelling	block 1	6
4901-420 Poverty and Development Strategies	block 1	6
4403-580 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: Environmental Management (winter term 2014/2015)

Semi-elective modules	Blocked?	Credits
3005-420 Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
To be defined later		
<p align="center">(No further modules can be given right now (August 2013) since the whole M.Sc. module catalogue at UHOH will probably change completely in winter term 2014/2015)</p> <p align="center">Thus, ASP2 will be updated in spring 2014</p>		

Specialisation: Soil Resources and Land Use (until winter term 2013/2014)

Semi-elective modules		Blocked?	Credits
3101-410	Tropical Soils and Land Evaluation	block 1	6
3202-410	Ecotoxicology and Environmental Analytics	block 2	6
4403-580	Water and Soil Management in Agricultural Production	block 3	6
4904-430	Land Use Economics	block 4	6
3301-440	Soil Fertility and Fertilisation in Organic Farming	unblocked	6
3301-470	Fertilisation and Applied Soil Chemistry in the Tropics and Subtropics	e-learning	6
3102-420	Project in Soil Sciences (in English and German)	unblocked	6
3102-450	Molecular Soil Ecology	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 (winter term 2014/2015)

Semi-elective modules		Blocked?	Credits
3005-420	Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
To be defined later			
<p>(No further modules can be given right now (August 2013) since the whole M.Sc. module catalogue at UHOH will probably change completely in winter term 2014/2015)</p> <p>Thus, ASP2 will be updated in spring 2014</p>			

Specialisation: Climate Change (until winter term 2013/2014)

Semi-elective modules		Blocked?	Credits
3202-430	Air Pollution and Air Pollution Control	block 1	6
4403-580	Water and Soil Management in Agricultural Production	block 3	6
3202-420	Global Change Issues	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
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		

Specialisation: Climate Change (winter term 2014/2015)

Semi-elective modules	Blocked?	Credits
3005-420 Climate Change Impacts, Adaptation and Mitigation	e-learning, unblocked	15
To be defined later		
<p>(No further modules can be given right now (August 2013) since the whole M.Sc. module catalogue at UHOH will probably change completely in winter term 2014/2015)</p> <p>Thus, ASP2 will be updated in spring 2014</p>		

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 registration fee (at present 115,05 € per semester) has to be paid by every student. 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
and Mentor at UHOH***

Prof. Dr. Andreas Fangmeier
Department: Plant Ecology and Ecotoxicology

Contact

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

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 Winter Semester 2013/14

20.08.2013

● = Compulsory ◐ = Semi-elective ○ = Elective

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

Blocked Modules Summer Semester 2014

20.08.2013

● = Compulsory

◐ = Semi-elective

○ = Elective

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

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

Unblocked Modules taught in English at the Faculty of Agricultural Sciences

● = Compulsory

◐ = Semi-elective

○ = Elective

AgEcon	Agri-Tropics	Crop Sciences	EnvEuro	Enviro-Food	Organic-Food	Unblocked Modules in Winter Semester (October - February)
○	○	○	◐	◐	○	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) (<i>not in WS 13/14!</i>)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
○	○	○	○	○	○	3102-450 (Kandeler) Molecular Soil Ecology
○	○	○	○	○	○	3301-450 (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
○	○	○	○	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (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
AgEcon	Agri-Tropics	Crop Science	EnvEuro	Enviro-Food	Organic-Food	Unblocked Modules in Summer Semester (April - July)
-	-	-	◐	-	-	3005-420 (Fangmeier) Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)
○	○	○	○	○	○	3101-440 (Stahr) Soil Genesis, Classification and Geography (<i>English + German</i>)
○	○	○	○	○	○	3101-450 (Stahr) Major Pedological Field Trip (<i>English + German</i>)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (<i>English + German</i>)
			○	○		3103-500 (Streck) Energy and Water Regime at the Land Surface
○	○	○	◐	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (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!)

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

KU-LIFE



UHOH



SLU



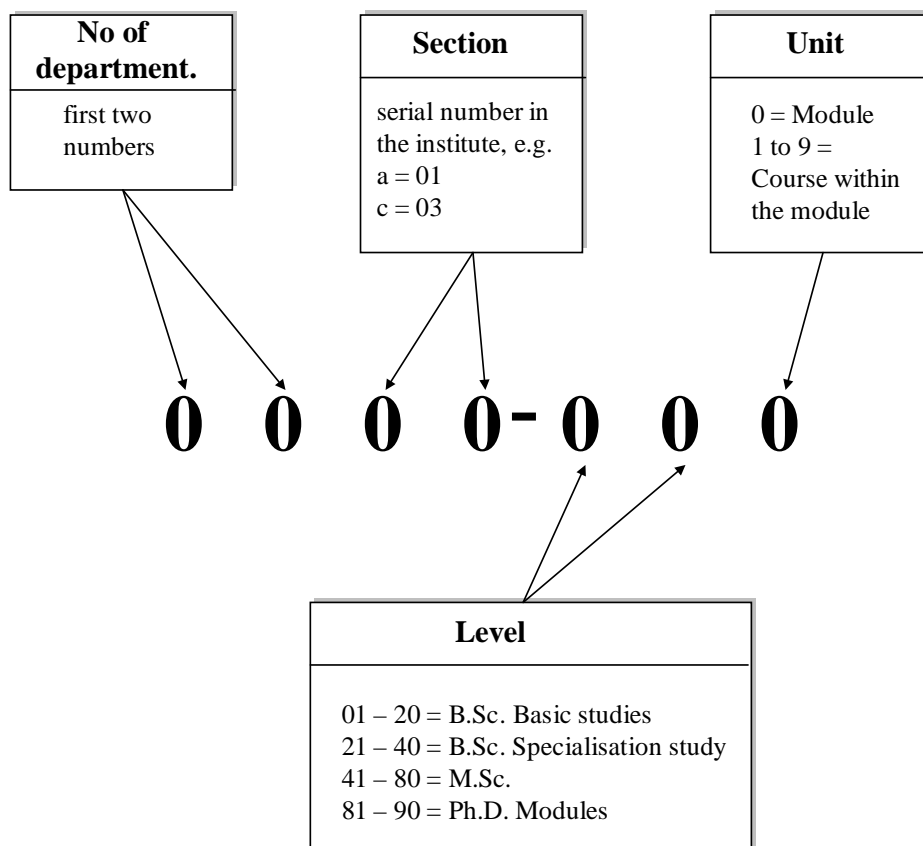
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■ Holiday ■ Semester

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

WS 13/14	First day of <u>un</u>blocked modules:	(42. KW) Monday, 14.10.2013
	First day of blocked modules:	(42. KW) Monday, 14.10.2013
	Last day of <u>un</u>blocked modules:	(5. KW) Saturday, 01.02.2014
	Last day of blocked modules:	(9. KW) Tuesday, 25.02.2014
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

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

Examination periods in winter semester 2013/14

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

Examination periods in summer semester 2013

B.Sc. and M.Sc. period 1: calendar week 30 to 32
B.Sc. and M.Sc.: period 2: calendar week 39 to 41
Deadline for the registration for exams: is fixed by the examination office

Questions concerning the examination regulations, the study and examination plan, withdrawal or transcripts of records are answered at the examination office and the exact dates of the module examinations are posted at the online notice-board of the examination office at: (<https://www.uni-hohenheim.de/pruefung.html?&L=1>).