UNIVERSITÄT HOHENHEIM

FAKULTÄT AGRARWISSENSCHAFTEN

Agricultural Sciences in the Tropics and Subtropics

Master of Science

Curriculum

August 2013

Contact:

Coordinator “AgriTropics”
Centre for Agriculture in the Tropics and Subtropics (790)
University of Hohenheim
70593 Stuttgart, Germany

Phone: +49 711 459 23328
Fax: +49 711 459 23315
e-mail: masterpr@uni-hohenheim.de
http://www.uni-hohenheim.de/agritropics

Edited by Dr. Karin Amler

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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 „Agricultural Sciences in the Tropics and Subtropics“. It contains information about the course structure, summarises the most important exam regulations.

The information presented reflects the current situation. Titles and contents of compulsory and optional modules are sometimes subject to change. Due to administrative reasons such changes can only be considered in printed materials with delay. For this reason all information is supplied without liability.

If in doubt, please refer to the coordinator of the programme (masterpr@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. The entire course catalog is also available via the homepage of the university (www.uni-hohenheim.de)

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The Master Programme *Agricultural Sciences in the Tropics and Subtropics*

Programme - Objectives and Conditions

The population of our world is now 7 billion and rising fast. In order to pro - vide food for ourselves and our children in the years to come, we will need to understand and manage ever more complex and diverse agricultural and ecological systems to enable more efficient and sustainable food production in a resource protecting way. This will be particularly true for developing countries in tropical and sub-tropical regions where the population is increasing most rapidly and resources are most limiting.

Any attempts to tackle the problems must involve the application of all branches of Agricultural Sciences in ways that will carefully: analyse existing food production systems, develop sound strategies to safeguard natural resources, and provide new, sustainable and adaptable techniques for farmers to use.

To meet this demand the Master Programme Agricultural Sciences in the Tropics and Subtropics (AgriTropics) was developed in cooperation with international agricultural research and development organisations. A programme advisory board meets frequently in order to support the programme in their focus on educating students for the challenging task in international agriculture and resource conservation. Students of all nationalities acquire analytical skills and multidisciplinary competence, to address current and future problems in agricultural ecosystems.

The M.Sc. Programme "Agricultural Sciences in the Tropics and Subtropics" was awarded by the German Academic Exchange Service (DAAD) with the quality label "TOP 10 International Master's Degree Courses Made in Germany" in 2008.

Programme Design

The two year M.Sc. programme consists of 15 modules (including one with practical science training) and one research semester, during which a Master Thesis has to be done. Eight of the modules are compulsory. In order to allow students to create an individual profile, seven elective modules can be chosen from the list of all master modules of the Faculty of Agriculure. Particularly recommended modules are listed on page 5. Upon application, examination achievements of up to 30 credits can be recognised. The full programme has an extent of 120 ECTS.

	1. Semester	**2. Semester**	**3. Semester**	**4. Semester**
6 Credits	**4901-420** (Zeller) Poverty and Development Strategies	**3803-470** (Asch) Interdisciplinary Practical Science Training	**3402-420** (Piepho) Quantitative Methods in Biosciences	**Master Thesis** (30 credits)
6 Credits	**3802-410** (Sauerborn) Ecology and Agroecosystems	**4903-460** (N.N.) Methods in Interdisciplinary Collaboration	Elective module	
6 Credits	**4403-580** (Müller, J.) Water and Soil Management in Agricultural Production	Elective module	Elective module	
6 Credits	**3801-420** (Cadisch) Crop Production Systems	Elective module	Elective module	
6 Credits	**4801-450** (Valle Zárate) Livestock Production Systems and Develop.	Elective module	Elective module	

This programme structure ensures a solid education in Agricultural Sciences in the Tropics and Subtropics but also allows students to get trained according to their own career aspirations. The programme can be started in October (winter semester) each year.

Modules

The programme follows a modular course structure. A typical semester consists of five modules. Most modules are offered as blocked courses lasting three and a half weeks (B1 to B5 = winter semester, B6 – B10 = summer semester). Some are not blocked and thus last the full length of the semester. 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 timetable, please be aware of the following facts: the morning is assigned for the personal preparation of the blocked modules too and the block periods B4, B5 and B9, B10 will have a relevant overlapping with the first examination period of the unblocked modules!

The **compulsory modules** are:

Sem	Modules	Block	Exam	Professor
1	4901-420 Poverty and Development Strategies	B 1	written	Zeller
1	3802-410* Ecology and Agroecosystems	B 2	written	Sauerborn
1	4403-580 Water and Soil Management in Agr. Production	B 3	written	Müller, J.
1	3801-420 Crop Production Systems	B 4	written	Cadisch
1	4801-450 Livestock Production Systems and Development	B 5	written + ICA	Valle- Zárate
2	3803-470 Interdisciplinary Practical Science Training	B 6	oral + ICA	Asch
2	4903-460 Methods in Interdisciplinary Collaboration	unblocked	written + ICA	Birner
3	3402-420 Quantitative Methods in Biosciences	unblocked	written	Piepho

ICA = In-course-assessment

* The number of places is limited but places for AgriTropics students are guarateed. However you are requested to register for participation online via ILIAS. The registration frame will be open from Sept 10th to Oct 10th.

Particularly recommended elective modules (7 to choose):

Sem	Modules	Block	Exam	Professor
2	3801-430 Integrated Agricultural Production Systems	B 7	written	Cadisch
2	4901-430 Rural Development Policies and Institutions	B 7	written	Zeller
2	3802-420 Biodiversity, Plant and Animal Genetic Resources	B 8	written	Sauerborn
2	4201-410 Agricultural and Food Policy	B 8	written	Grethe
2	4403-550 Post-Harvest Technology of Food and Bio-Based Products	B 8	written	Müller, J.
2	4802-450 Quantitative Methods in Animal Nutrition and Vegetation Sciences	B 8	oral + presentation	Dickhöfer

Sem	Modules		Block	Exam	Professor
2	4801-420	Promotion of Livestock in Tropical Environments	B 9	written + ICA	Valle Zárate
2	4403-470	Renewable Energy for Rural Areas	B 9	written	Müller, J.
2	4903-500	Policy Processes in Agriculture and Natural Resource Management	B 9	written	Birner
2	3803-430	Ecophysiology of Crops I n the Tropics and Subtropics	B 10	oral	Asch
2	4902-430	Food and Nutrition Security	B 10	written	Brockmeier
2	3803-490*	Excursion to the Tropics and Subtropics	unblocked +Sept	oral + ICA	Asch
2/3	3301-470	Fertilisation and Applied Soil Chemistry in the Tropics and Subtropics (online)	e-learning	oral + presentation	Müller, T.
3	4303-490	Ethics of Food and Nutrition Security	unblocked	oral + journal	Bellows
3	4801-410	Genetic Resources and Animal Husbandry Systems	B 1 notWS 12/13!	written + ICA	Valle Zárate
3	3101-410	Tropical Soils and Land Evaluation *(last time offered in WS 13/14)*	B 1	oral	Stahr
3	4301-430	Rural Communication and Extension	B 1	written	Hoffmann
3	3803-440	Signalling in Plants under Stress	B 2	oral	Asch
3	4904-450*	Farm and Project Evaluation	B 2	written	Berger
3	4802-440	Physiological and Ecological Aspects of Livestock Nutrition in the Tropics	B 2	oral + presentation	Dickhöfer
3	4801-430	Livestock Breeding Programs – Planning Procedures and International Case Studies	B 3	written + ICA	Valle Zárate
3	4901-470	Quantitative Methods in Economics	B 3	written	Zeller
3	4902-420	International Food and Agricultural Trade	B 3	written	Brockmeier
3	4802-470*	Experimental Aquaculture ~~Systems in Tropical and Temperate Zones~~	B 4	written	Focken
3	3501-440	Plant Breeding and Seed Science in the Tropics and Subtropics	B 4	written	Melchinger
3	3803-450	Crop Production Affecting the Hydrological Cycle	B 4	written	Asch
3	3405-410	Organic Farming in the Tropics and Subtropics	B 5	written	Zikeli
3	3301-460	Exercises in Plant Nutrition	after B 5	written	Müller, T.

ICA = In-course-assessment

* Please register for participation per ILIAS (for 3803-490 in WS 13/14!)

For the complete catalogue of modules offered by the faculty of Agricultual Sciences, refer to www.uni-hohenheim.de/modulkatalog. If the examination board agrees, up to 30 credits can be chosen from courses offered by other study programmes at the University of Hohenheim (see: www.uni-hohenheim.de/modulkatalog), or by another German university or by a foreign university. Modules which have already been examined may not be chosen for a second time.

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

Module Descriptions

For the contents of all modules see: www.uni-hohenheim.de/modulkatalog

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.

Credit Point System

With each completed module the students earn 6 credits for the workload associated with each module. The M.Sc. programme has a requirement of 120 credits in total. The examination result is expressed in grades and marks. The highest score is 1.0. A score of 4.0 is required for passing.

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

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

	marks and grades		
	grades		*mark*
excellent performance	*very good*	A	1.0
		A-	1.3
performance considerably exceeding the above average standard	*good*	B+	1.7
		B	2.0
		B-	2.3
performance meeting the average standard	*medium*	C+	2.7
		C	3.0
		C-	3.3
performance meeting minimum criteria	*pass*	D+	3.7
		D	4.0
performance not meeting minimum criteria	*fail*	F	5.0

Study and Examination Plan

Students have to seek advice of one of the mentors of the programme on which elective modules are suitable for their individual profile. During the first semester of study the candidate must have the study plan approved in which all chosen modules are mentioned. The study plan has to be signed by a co-ordinator or a mentor before it is handed in to the examination office. Changes in Modules will have to be accomplished. After registration for examination a module cannot be dropped any more.

Examinations

Performance is examined through continuous assessment. Each module is examined upon completion. The examinations of the blocked modules are held at the end of the respective block period; those for the unblocked modules are held in the two examination periods that follow the lectures. Students will be registered by signature automatically for the compulsory modules offered in the first and second semester. The registration for elective modules will take place at the end of the first semester through filling in an official form.Withdrawal on the first trial of each module's examination is possible up to 7 days before the examination date. The examination will be postponed to the next possible examination period.

The claim for examination expires if:

- a minimum of six modules has not been passed successfully by the end of the second semester
- an examination of one of the modules has not been passed by the end of the sixth semester at the latest
- one out of 15 modules needs to be repeated more than two times

The claim for examinations does not expire if the candidate cannot be held responsible for the failure to comply with the deadline. The students themselves are responsible for complying with these examination deadlines as well as all other regulations given in the examination regulations. The examination regulations and a leaflet on registration (see: https://pruefungsamt.uni-hohenheim.de) are distributed by the examination office.

Please mind that plagiarism, that means the take-over of text or phrases in a written examination (even within a partial performance) without quoting them accordingly, will be marked as attempt of deception and the respective examination performance is to be graded "fail" (F; mark 4.0). A declaration (https://agrar.uni-hohenheim.de/plagiate.html?&L=1) has to be attached to homeworks, presentations, and to the thesis. The final digital text document has to be transferred to the mentoring supervisor.

Exam Repetition

In case of failure the examination office will inform the student via mail. Normally, the letter includes the repetition date. In some cases the date for repetition has not been pointed out at the time of informing the students. Students are responsible themselves to check with the responsible professor or the examination office about dates for repeater exams. Usually repeater exams for blocked modules will be scheduled by the responsible professor within the same semester. Repeater exams in lectures will usually automatically be scheduled for the next examination period.

Master Thesis

The master thesis shall show that the candidate is able to work independently on a problem in the field of "Agricultural Sciences in the Tropics and Subtropics" within a fixed period of time by applying scientific methods. The exam consists of a written (thesis) and an oral (defense) part. After marking 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. Depending on the chosen modules there might be cases where the third semester is more appropriate. Thesis work includes a literature review, new and original data derived from field work, a period of writing-up and, finally, a presentation. This work can be carried out either at Hohenheim University or at one of the various partner universities.

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

Quality Assurance

The quality of courses and modules is evaluated in a two year rotation by the students of all study programmes. The evaluation sheets are distributed and evaluated by the Faculty of Agricultural Sciences and the results are sent back to the lecturers in an **anonymous** format. The lecturers are asked to discuss the results with the students at the end of their courses.

Teaching Staff & Mentoring

Most modules are organised and taught by professors of the University of Hohenheim, who have broad experience in international research. Students also benefit from Hohenheim's active links with academic partners worldwide. Guest speakers from partner universities as well as research, development and policy institutions cover additional topics, and thus enrich the curriculum with special fields of expertise.
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 a mentor before it is handed in to the examination office. Changes of modules are possible but have to be approved by the responsible mentor. Mentors are:

- Prof. Dr. Folkard Asch, Management of Crop Water Stress in the Tropics and Subtropics (380)
- Prof. Dr. Thomas Berger, Land Use Economics in the Tropics and Subtropics (490)
- Prof. Dr. Regina Birner, Department of Agricultural Economics and Social Sciences in the Tropics and Subtropics (490)
- Prof. Dr. Georg Cadisch, Agronomy in the Tropics and Subtropics (380)
- Prof. Dr. Joachim Müller, J., Agricultural Engineering in the Tropics and Subtropics (440)
- Prof. Dr. Uta Dickhöfer, Animal Production in the Tropics and Subtropics (480)
- Prof. Dr. Joachim Sauerborn, Agroecology in the Tropics and Subtropics (380)
- Prof. Dr. Anne Valle Zárate, Animal Breeding and Husbandry in the Tropics and Subtropics (480)/Dr. Reiber, C_Reiber@uni-hohenheim.de
- Prof. Dr. Manfred Zeller, Rural Development Economics and Policy (490)

Study Abroad

Our credit point system is intended to facilitate the mutual acceptance of courses attended at different universities. Assessment is based on the European Credit Transfer System (ECTS), which facilitates such kind of international mobility.

Degree

After successful completion of all modules as well as the thesis, the student is awarded the degree "Master of Science" (M.Sc.). This degree entitles the student to continuing with a Ph.D./doctoral programme if the total grade is above average.

Responsible Scientist

Prof. Dr. Folkard Asch
Management of Crop Water Stress in the Tropics and Subtropics

Contact

Programme Coordinator AgriTropics
University of Hohenheim (790)
70593 Stuttgart, Germany
Telephone +49-711-459-23328
Telefax +49-711-459-23315
E-Mail: masterpr@uni-hohenheim.de
http://www.uni-hohenheim.de/agritropics

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 un-blocked 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 / Study Course	**1** (17 days) **14.10. - 06.11.2013**	**2** (17 days) **07.11. - 29.11.2013**	**3** (17 days) **02.12. – 20.12.13 + 07. - 08.01.2014**	**4** (17 days) **09.01. - 31.01.2014**	**5** (17 days) **03.02. - 25.02.2014**	**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** (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		○ **4801-430** (Valle Zárate) Livestock Breeding Programmes …	○ ~~**3501-440** (Melchinger) Plant Breeding and Seed Science in the T+S~~	○ **4903-510** (Birner) Agriculture and Food Security in Fragile Systems	
	○ **4801-410** (Valle Zárate) Genetic Resources and Animal Husbandry Systems	○ **3803-440** (Asch) Signalling in Plants under Stress ○ **4802-440** (Dickhöfer) Phys.+Ec. Asp.Livestock Nutrition in the Tropics	○ **4902-420** (Brockmeier) International Food and Agricultural Trade	○ **4903-490** (Birner) Social Dimensions of Agricultural Development ○ **4802-470** (Focken) Experimental Aquaculture	(*11 full days in Ahrensburg near Hamburg!*)	
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** (Tremp) 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** (Tremp) 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

Period / Study Course	6 (17 days) 01.04. - 25.04.2014 (unbl: 07.04.!)	7 (17 days) 28.04. – 21.05.2014	8 (17 days) 22.05. - 06.06.2014 + 16.06. - 24.06.2014	9 (17 days) 25.06. - 18.07.2014	10 (17 days) 21.07. - 12.08.2014	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 Agric. + Nat. Resource Manag.	◖ **4903-470** (Birner) Qual. Research Methods …	
					◖ **4902-430 (**Brockmeier)	
M. Sc. AgriTropics	● **3803-470** (Asch) Interdisciplinary Practical Science Traíning (**AgriTropics only!**)	○ **4901-430** (Zeller) Rural Development Policy and Institutions	○ **4201-410** (Grethe) Agricultural and Food Policy	○ **4403-470** (Müller, J.) Renewable Energy f. Rural Areas	○ **4902-430 (**Brockmeier) Food and Nutrition Security	
		○ **3801-430** (Cadisch) Integrated Agricultural Production Systems	○ **3802-420** (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	○ **4801-420** (Valle Zárate) Promotion of Livestock in Trop. Environments	○ **3803-430** (Asch) Ecophysiology of Crops in the T+S	
			○ **4403-550** (Müller, J.) Postharvest Technology of Food and Bio-Based Prod.		○ **4602-450** (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	
			○ **4802-450** (Dickhöfer) Quant. Meth. in Anim. Nutrition + Veget. Scienc.		○ **3501-480** (Melchinger) Breed. of Trop., Ornamental, 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		
			◖ **4403-550** (Müller, J.) Postharvest Technology of Food & Bio-Based Prod.	◖ **4403-470** (Müller, J.) Renewable Energy for Rural Areas		
M. Sc. EnvEuro (first year)	○ **3102-440** (Kandeler) Environmental Pollution and Soil Organisms	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3802-420** (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	○ **3103-460** (Streck) Environmental Science Project		
			◖ **4201-410** (Grethe) Agricultural and Food Policy	○ **4403-470** (Müller, J.) Renewable Energy for Rural Areas		
			○ **3101-460** (N.N.) Mapping Course…	○**3101-430** (N.N.) Interdiscipl. 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)**.**

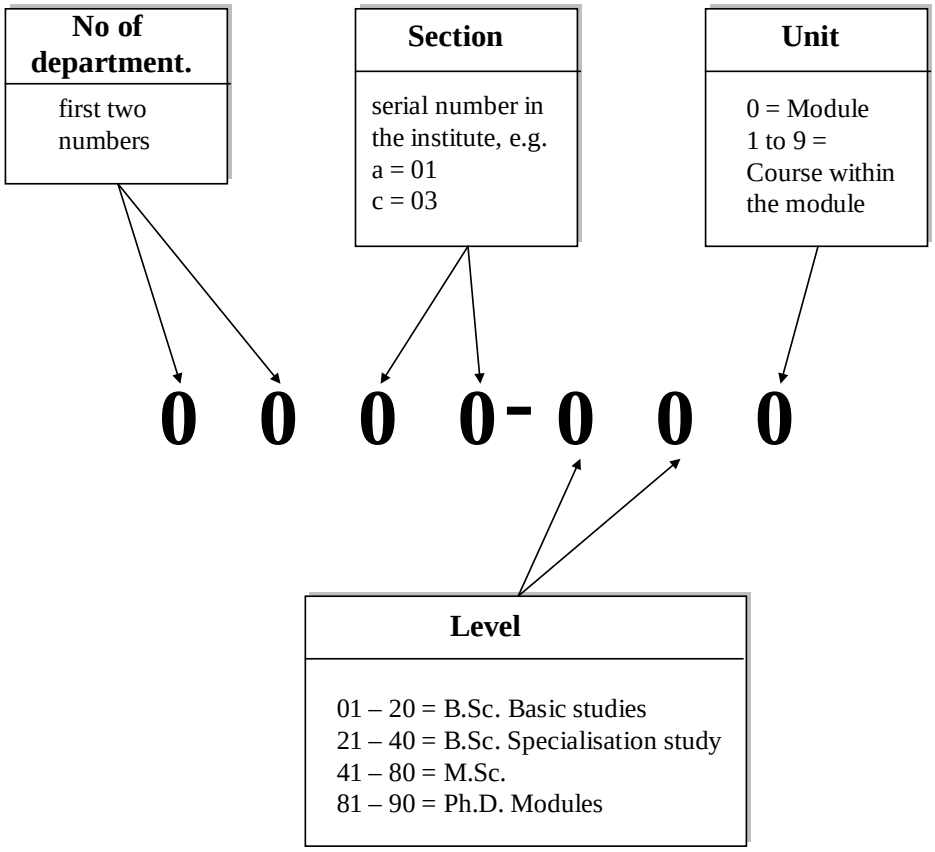
Unblocked Modules taught in English at the Faculty of Agricultural Sciences

● = 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) (*not in WS 13/14!*)
○	○	○	○	○	○	**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 Sciences	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 (*English + German*)
○	○	○	○	○	○	**3101-450** (Stahr) Major Pedological Field Trip (*English + German*)
○	○	○	○	○	○	**3102-420** (Kandeler) Project in Soil Sciences (*English + German*)
			○	○		**3103-500** (Streck) Energy and Water Regime at the Land Surface
○	○	○	◖	○	○	**3301-470** (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (***e-learning!***)
○	○	○	○	○	○	**3401-450** (Claupein) Conservation Agriculture
○	○	○		○	●	**3401-460** (Claupein) Organic Plant Production
○	○	●		○	○	**3402-450** (Piepho) Advanced Statistical Methods for Metric and Catagorical Data
○	○	○		○	○	**3405-450** (Zikeli) Problems and Perspectives of Organic Farming
○	○	○		○	●	**3405-490** (Zikeli) Project in Organic Agriculture and Food Systems
○	○	◖		○	○	**3501-450** (Melchinger) Breeding Methodology
○	○	○		○	○	**3603-420** (Zebitz) Crop Protection in Organic Farming
○	○	◖		○	○	**3703-430** (Wünsche) Crop – Environment Interactions
	○					**3803-490** (Asch) Excursion to the Tropics and Subtropics
●	○	○		○	○	**4202-450** (Becker. T.) Microeconomics
○	○	○		○	●	**4202-460** (Becker. T) Markets and Marketing of Quality Food
◖	○	○		◖	○	**4303-470** (I.V. Lemke) Gender, Nutrition, and Right to Food
○	○	○		◖	○	**4303-480** (I.V. Lemke) Global Nutrition
-	●	-	-	-	-	**4903-460** (Birner) Methods in Interdisciplinary Collaboration ***(for AgriTropics only!)***

Explanation of Module Code



Day / Hour	Monday	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

WS 13/14	**First day of un-blocked modules:**	(42. KW) Monday, 14.10.2013
	First day of blocked modules:	(42. KW) Monday, 14.10.2013
	Last day of un-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 un-blocked modules:	(15. KW) Monday, 07.04.2014
	Last day of un-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**).