

Agricultural Sciences in the Tropics and
Subtropics
Master of Science

Curriculum



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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 provide 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 until Summer 2014

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 Agriculture. 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.

**Programme Design
from WS 2014/15 on**

The two year M.Sc. programme consists of 14 modules (including one with practical science training) (90 credits) and one research semester (30 credits), during which a Master Thesis has to be done. Eight of the modules are compulsory (49.5 credits). In order to allow students to create an individual profile, six elective modules (at least 40.5 credits) can be chosen from the list of all master modules of the Faculty of Agriculture. 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	3801-420 (Cadisch) Crop Production Systems	3803-470 (Asch) Interdisciplinary Practical Science Training (7.5 credits)	4903-460 (N.N.) Methods in Interdisciplinary Collaboration	Master Thesis (30 credits)
6 Credits	3802-410 (Sauerborn) Ecology and Agroecosystems	Elective module (7.5 credits)	3402-420 (Piepho) Quantitative Methods in Biosciences	
6 Credits	4904-450 (Berger) Farm and Project Evaluation	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	3803-4 (Asch) Natural Resource Use and Conservation in the T. + S.	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	4801-450 (Valle Zárate) Livestock Production Systems and Develop.	Elective module (7.5 credits)	Elective module (6 credits)	

Modules

The programme follows a modular course structure. A typical semester consists of 30 credits. Until summer semester 2014 most modules are offered as blocked courses lasting three and a half weeks (B1 to B5 = winter semester, B6 – B10 = summer semester). Some are not blocked and thus last the full length of the semester. From 2014/15 the modules of the first and third semester last the full length of the semester. The modules of the second semester are offered as blocked courses, each including three weeks of instruction, one week of individual preparation, and an exam at the end of week four.

Each module of 6 credits corresponds to a workload of 4 SWS (weekly contact hours per semester), which is 56 contact hours per module. Each module of 7.5 credits corresponds to a workload of 5 SWS (weekly contact hours per semester), which is 70 contact hours per module. In addition time for preparation at home is needed, summing up to a total workload of about 160 hours for one module of 6 credits and 200 hours for one module of 7.5 credits. Each module may consist of different forms of teaching (e.g. seminar, lecture, practical, excursions).

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

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 guaranteed. 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 are until summer semester 2014 (7 to choose):

Sem	Modules	Block	Exam	Professor
1-4	3000-410 Portfolio-Module (Master)	U	not graded	Müller, T.
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
3	3501-440 Plant Breeding and Seed	B 4	written	Melchinger
2	3501-480 Science in the Tropics and Subtropics —Breeding of Tropical Ornamental and Vegetable Plants	B 9		
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 In the Tropics and Subtropics	B 10	oral	Asch

Sem	Modules	Block	Exam	Professor
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 (<i>last time offered in WS 13/14</i>)	B 1	oral	Stahr
3	4301-430 Rural Communication and Extension (<i>last time offered in WS 13/14</i>)	B 1	written	Hoffmann
3	3803-440 Signalling in Plants under Stress (<i>last time offered in WS 13/14</i>)	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	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 (<i>last time offered in WS 13/14</i>)	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 Agricultural 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.

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

Sem	Code	Name of Module	Duration	Credits	Professor
1	3801-420	Crop Production Systems	1 Semester	6	Cadisch
1	3802-410	Ecology and Agroecosystems*	1 Semester	6	Sauerborn
1	4904-450	Farm and Project Evaluation*	1 Semester	6	Berger
1	3803-410	Natural Resource Use and Conservation in the Tropics and Subtropics	1 Semester	6	Asch
1	4801-450	Livestock Production Systems and Development	1 Semester	6	Valle-Zárate
2	3803-470	Interdisciplinary Practical Science Training	SS, Block 1	7,5	Asch
3	4903-460	Methods in Interdisciplinary Collaboration	1 Semester	6	Birner
3	3402-420	Quantitative Methods in Biosciences	1 Semester	6	Piepho

SS = summer semester

* Please register for participation per ILIAS

The **elective modules** can be chosen from the listing below or from the modules of other Master programmes of the faculty of Agricultural Sciences of the University of Hohenheim. On request to the examination board and with the approval of a mentor, modules can be chosen from other programmes of the University of Hohenheim. With compulsory and elective modules together at least 90 credits have to be reached.

Suggestions for **elective modules** as offered from WS 14/15 on:

Sem	Code	Name of Module	Duration	Credits	Professor
1-4	3000-410	Portfolio-Module (Master)	Not defined	1 - 7,5	Müller, T.
2	3801-430	Integrated Agricultural Production Systems	SS, Block 2	7,5	Cadisch
2	3802-420	Biodiversity, Plant and Animal Gen. Resources	SS, Block 2	7,5	Sauerborn
2	4403-580	Water and Soil Management in Agricultural Production	SS, Block 2	7,5	Müller, J.
2	4801-430	Livestock Breeding Programs – Planning Procedures and International Case Studies	SS, Block 2	7,5	Valle Zárate
2	3803-450	Crop Production Affecting the Hydrologic. Cycle	SS, Block 3	7,5	Asch
2	4403-470	Renewable Energy for Rural Areas	SS, Block 3	7,5	Müller, J.
2	4802-450	Quantitative Methods in Animal Nutrition and Vegetation Sciences	SS, Block 3	7,5	Dickhöfer
2	4901-430	Rural Development Policies and Institutions	SS, Block 3	7,5	Zeller
2	3803-430	Ecophysiology of Crops In the Trop. and Subtrop.	SS, Block 4	7,5	Asch

Sem	Code	Name of Module	Duration	Credits	Professor
2	4303-480	Global Nutrition	SS, Block 4	7,5	Lemke
2	4403-550	Post-Harvest Technology of Food and Bio-Based Products	SS, Block 4	7,5	Müller, J.
2	4801-420	Promotion of Livestock in Tropical Environments	SS, Block 4	7,5	Valle Zárate
3	3301-480	Fertilisation and Soil Fertility Mangement in the Tropics and Sub-tropics (online)	e-learning	7,5	Müller, T.
3	3405-410	Organic Farming in the Tropics and Subtropics	1 Semester	6	Zikeli
3	3502-810	Quantitative Methods in Plant and Livestock Genomics	1 Semester	6	Schmid
1	4801-480	Organic Livestock Farming and Products	1 Semester	6	Valle Zárate
3	4301-420	Inter- and Transdisciplinary Research Approaches in Bio-economics	1 Semester	6	Knierim
3	4303-490	Ethics of Food and Nutrition Security	1 Semester	6	Lemke
3	4801-410	Genetic Resources and Animal Husbandry Systems	1 Semester	6	Valle Zárate
3	4802-440	Physiological and Ecological Aspects of Livestock Nutrition in the Tropics	1 Semester	6	Dickhöfer
3	4902-430	Food and Nutrition Security	1 Semester	6	Brockmeier
3	4903-500	Policy Processes in Agriculture and Natural Resource Management	1 Semester	6	Birner
3	4903-490	Social Dimensions of Agricultural Development	1 Semester	6	Birner
3	4901-420	Poverty and Development Strategies	Second half of semester	6	Zeller
3	4901-470	Quantitative Methods in Economics	Second half of semester	6	Zeller
?	4802-470	Experimental Aquaculture *	???	?	Focken

WS = winter semester

SS = summer semester

* Please register for participation per ILIAS

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
Marks and Grades**

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

The examination result is expressed in grades and marks. The highest score is 1.0. A score of 4.0 is required for passing.

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

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

**Study and
Examination Plan**

Students have to seek advice of one of the mentors of the programme on which elective modules are suitable for their individual profile. During the first month of study the candidate must have the study plan approved in which all chosen modules are mentioned. Until SS 14 the study plan has to be signed by a co-ordinator or mentor before it is handed in to the examination office. Exchanges of modules need to be approved. From WS 14/15 on a counseling confirmation has to be signed by a co-ordinator or mentor and handed in to the examination office, before registration for module examination is possible. After registration for examination a module cannot be dropped any more.

Examinations

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

The claim for examination expires if:

- a minimum of six modules has not been passed 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.

Academic calendar

In the winter semester (WS) courses usually begin in week 42 and end in week 6 or 7 of the new year. In the summer semester (SS) courses usually begin the first Monday in April and end in week 30, 31, or 32. For unblocked modules the lecture period of each semester is followed by an examination period of three weeks. The last block period of each semester has an overlapping with this examination period of the unblocked modules.

Teaching Staff & Mentoring

Most modules are organised and taught by professors of the University of Hohenheim, who have broad experience in international research. Students also benefit from Hohenheim's active links with academic partners worldwide. Guest speakers from partner universities as well as research, development and policy institutions cover additional topics, and thus enrich the curriculum with special fields of expertise.

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

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Block Periods 2013/2014

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

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

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

Blocked Modules and Periods 2014/2015

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

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

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

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

Blocked Modules Summer Semester 2014

20.08.2013

● = Compulsory

◐ = Semi-elective

○ = Elective

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

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

Unblocked Modules taught in English at the Faculty of Agricultural Sciences

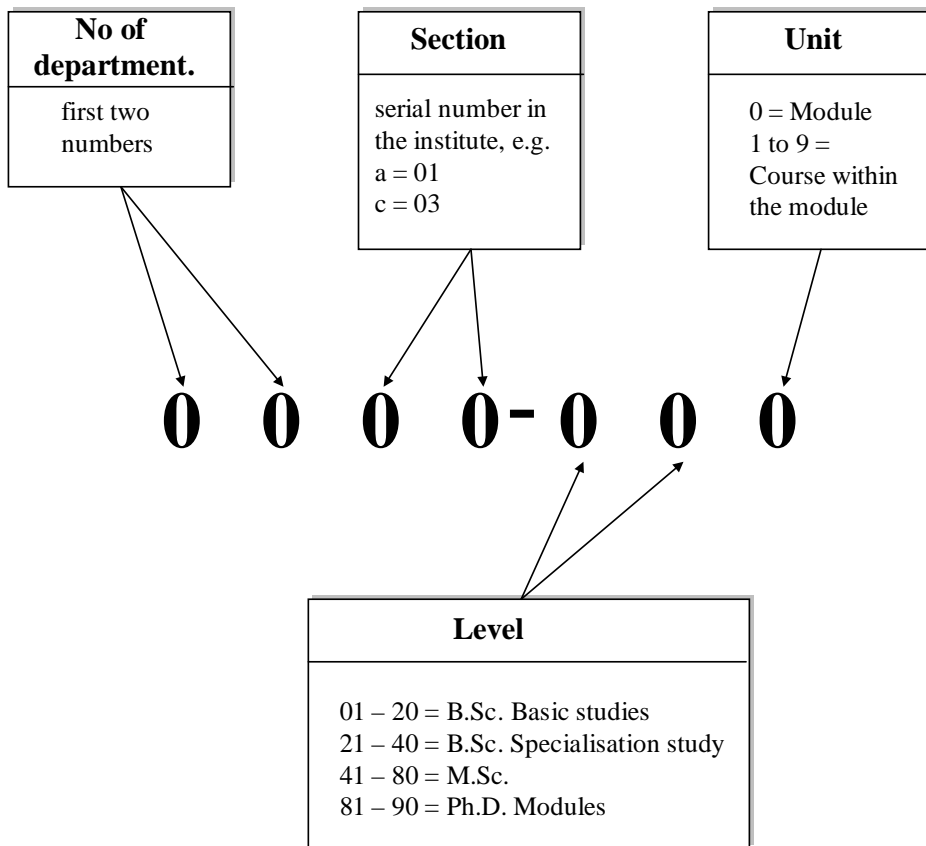
● = Compulsory

◐ = Semi-elective

○ = Elective

AgEcon	Agri-Tropics	Crop Sciences	EnvEuro	Enviro-Food	Organic-Food	
Unblocked Modules in Winter Semester 2013/14						
○	○	○	◐	◐	○	1201-410 (Wulfmeyer) Remote Sensing
						1201-580 (Wulfmeyer) Physics of the Earth System
-	-	-	●	-	-	3005-410 (Fangmeier) Environmental Management in Europe (for EnvEuro only!)
◐	◐	◐		◐	◐	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
○	○	○	○	○	○	3102-450 (Kandeler) Molecular Soil Ecology
○	○	○	○	○	○	3301-450 (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
○	○	○	○	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)
○	○	◐		○	○	3302-450 (Neumann) Plant Symbioses for Nutrient Acquisition
○	○	◐		○	○	3302-460 (Ludewig) Plant Quality
○	○	●		○	○	3401-470 (Claupein) Crop Physiology
○	●	○	●	○	○	3402-420 (Piepho) Quantitative Methods in Biosciences
○	○	○		○	●	3405-460 (Zikeli) Processing and Quality of Organic Food
○	○	○		○	●	3405-470 (Zikeli) Organic Food Systems and Concepts
-	-	-	-	-	●	3405-500 (Zikeli) Principles of Organic Food Systems (for EurOrganic only!)
○	○	◐		○	○	3501-470 (Melchinger) Selection Theory
		●				3502-440 (Schmid) Methods of Scientific Working for Crop Sciences
○	○	◐		○	○	3502-450 (Schmid) Population and Quantitative Genetics
○	○	◐		○	○	3504-430 (Kruse) Seed Research
○	○	◐		○	○	3601-450 (Vögele) Phytopathology
○	○	◐		○	○	3602-450 (Gerhards) Molecular Aspects of Plant Protection
○	○	◐		○	○	3603-480 (Zebitz) Entomology
○	○	○	◐	●	●	4201-440 (Grethe) Economics and Environmental Policy
○	○	○		○	●	4303-440 (I.V. Lemke) Social Conditions of Organic and Sustainable Agriculture
○	○	○	○	○	○	4303-490 (I.V. Lemke) Ethics of Food and Nutrition Security
○	○					4404-450 (Köller) Innovations in Agriculture
◐	○	○	◐	◐	○	4406-410 (Kranert) Waste Management and Waste Techniques
◐	○	○		○	○	4904-410 (Berger) Agricultural Economics Seminar
Unblocked Modules in Summer Semester 2014 (April - July)						
-	-	-	◐	-	-	3005-420 (Fangmeier) Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)
○	○	○	○	○	○	3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)
◐	◐	◐	◐	◐	◐	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
			○	○		3103-500 (Streck) Energy and Water Regime at the Land Surface
○	○	○	◐	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)
○	○	○		○	○	3401-450 (Claupein) Conservation Agriculture
○	○	○		○	●	3401-460 (Claupein) Organic Plant Production
○	○	●		○	○	3402-450 (Piepho) Advanced Statistical Methods for Metric and Catagorical Data
○	○	○		○	○	3405-450 (Zikeli) Problems and Perspectives of Organic Farming
○	○	○		○	●	3405-490 (Zikeli) Project in Organic Agriculture and Food Systems
○	○	◐		○	○	3501-450 (Melchinger) Breeding Methodology
○	○	○		○	○	3603-420 (Zebitz) Crop Protection in Organic Farming
○	○	◐		○	○	3703-430 (Wünsche) Crop – Environment Interactions
						3803-490 (Asch) Excursion to the Tropics and Subtropics
●	○	○		○	○	4202-450 (Becker, T.) Microeconomics
○	○	○		○	●	4202-460 (Becker, T) Markets and Marketing of Quality Food
◐	○	○		◐	○	4303-470 (I.V. Lemke) Gender, Nutrition, and Right to Food
○	○	○		◐	○	4303-480 (I.V. Lemke) Global Nutrition
-	●	-	-	-	-	4903-460 (Birner) Methods in Interdisciplinary Collaboration (for AgriTropics only!)

Explanation of Module Code



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

Lecture Periods

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

Free of lectures: Easter holidays: 18.04. – 21.04.2014, Labour Day: 01.05.2014, Ascension Day: 29.05.2014, Pentecost holidays: 10.06.2014 –14.06.2014 (except excursions), Feast of Corpus Christi: 19.06.2014. The “Dies Academicus” (04.07.2014) will be free of lectures too!

Examination periods in summer semester 2013

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

Examination periods in winter semester 2014/15

B.Sc. and M.Sc. period 1: calendar week 7 to 9
B.Sc. and M.Sc.: period 2: calendar week 13 to 14
Deadline for the registration for exams: is fixed by the examination office

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