

Agricultural Sciences in the Tropics and Subtropics

Master of Science

Curriculum



September 2016

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

Print: University of Hohenheim

Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with comprehensive information about the M.Sc. program „Agricultural Sciences in the Tropics and Subtropics“. It contains information about the program structure and summarises the most important exam regulations (issued the 16th of May 2014 including all changes until 18th of July 2016).

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 program (masterpr@uni-hohenheim.de) to obtain up-to-date information. For up-to-date module descriptions please refer to the web-pages at uni-hohenheim.de/en/module-catalogue. Time schedules and lecture halls of all courses are displayed in the Course Catalogue of the University of Hohenheim, available at the beginning of each semester online on the university's homepage: www.uni-hohenheim.de.

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

Program - 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 Program Agricultural Sciences in the Tropics and Subtropics (AgriTropics) was developed in cooperation with international agricultural research and development organizations. A program advisory board meets frequently in order to support the program 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. Program "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.

Program Design

The two year M.Sc. program 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).

	1. Semester	2. Semester	3. Semester	4. Semester
6 Credits	4905-420 (Cadisch) Crop Production Systems	4907-440 (Asch) Interdisciplinary Practical Science Training (7.5 credits)	4904-450 (Berger) Farm and Project Evaluation	Master Thesis (30 credits)
6 Credits	4906-410 (Rasche) Ecology and Agroecosystems	Elective module (7.5 credits)	3402-420 (Piepho) Quantitative Methods in Biosciences	
6 Credits	4903-460 (Birner) Methods in Interdisciplinary Collaboration	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	4907-410 (Asch) Natural Resource Use and Conservation in the T. + S.	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	4908-440 (Valle Zárate) Livestock Production Systems and Develop.	Elective module (7.5 credits)	Elective module (6 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 8. With compulsory and elective modules together at least 90 credits have to be reached. Upon application, examination achievements of up to 30 credits can be recognised. The full program has an extent of 120 ECTS. The language of instruction is English and the program can be started in October (winter semester) each year.

Modules

The program follows a modular course structure. A typical semester consists of 30 credits. 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).

For the complete catalogue of modules offered by the faculty of Agricultural Sciences, refer to uni-hohenheim.de/en/module-catalogue. If the examination board agrees, up to 30 credits can be chosen from courses offered by other master programs 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:

Sem	Code	Name of Module	Duration	Credits	Professor
1	4905-420 3801-420	Crop Production Systems	1 Semester	6	Cadisch
1	4906-410* 3802-410*	Ecology and Agroecosystems	1 Semester	6	Rasche
1	4907-410 3803-410	Natural Resource Use and Conservation in the Tropics and Subtropics	1 Semester	6	Asch
1	4903-460	Methods in Interdisciplinary Collaboration	1 Semester	6	Birner
1	4908-440 4801-450	Livestock Production Systems and Development	1 Semester	6	Valle-Zárate
2	4907-440 3803-470	Interdisciplinary Practical Science Training	SS, Block 1	7,5	Asch
3	3402-420	Quantitative Methods in Biosciences	1 Semester	6	Piepho
3	4904-450*	Farm and Project Evaluation	1 Semester	6	Berger

* The number of places is limited but places for AgriTropics students are guaranteed. However you are requested to register for participation online via ILIAS in the week before the lecture period starts.

The **elective modules** can be chosen from the listing below or from the modules of other Master programs 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 pro-

grams of the University of Hohenheim. With compulsory and elective modules together at least 90 credits have to be reached.

Suggestions for **elective modules**:

Sem	Code	Name of Module	Duration	Credits	Professor
1-4	3000-410	Portfolio-Module (Master) (not graded, see in ILIAS)	open	1 – 7.5	Müller, T.
2	3101-560	Soils of the World	SS, Block 2	7.5	Herrmann
2	4905-430 3801-430	Integrated Agricultural Production Systems	SS, Block 2	7.5	Cadisch
2	4906-420 3802-420	Biodiversity, Plant and Animal Gen. Resources	SS, Block 2	7.5	Rasche
2	4403-550	Post-Harvest Technology of Food and Bio-Based Products	SS, Block 2	7.5	Müller, J.
2	4908-430 4801-430	Livestock Breeding Programs – Planning Procedures and International Case Studies	SS, Block 2	7.5	Valle Zárate
2	4907-430 3803-450	Crop Production Affecting the Hydrologic. Cycle	SS, Block 3	7.5	Asch
2	3501-480	Breeding of Tropical, Ornamental, and Vegetable Plants ***	SS, Block 3	7.5	Melchinger
2	4403-470	Renewable Energy for Rural Areas	SS, Block 3	7.5	Müller, J.
2	4909-420 4802-450	Quantitative Methods in Animal Nutrition and Vegetation Sciences	SS, Block 3	7.5	Dickhöfer
2	4901-410* 4901-430	Rural Development Policies and Institutions**	SS, Block 3	7.5	Zeller
2	4605-450 4602-450	Food Safety and Drinking Water Quality Related to Zoonoses in the Tropics and Subtropics	SS, Block 3	7.5	Hölzle
2	4907-420 3803-430	Ecophysiology of Crops In the Trop. and Subtrop.	SS, Block 4	7.5	Asch
2	1401-530 4303-480	Global Nutrition	SS, Block 4	7.5	Scherbaum
2	4403-410	Irrigation and Drainage Technology	SS, Block 4	7.5	Müller, J.
2	4908-420 4801-420	Promotion of Livestock in Tropical Environments	SS, Block 4	7.5	Valle Zárate
2+3	3301-480	Fertilisation and Soil Fertility Mangement in the Tropics and Subtropics (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 (not WS 16/17)	1 Semester	6	Schmid
3	4301-430	Rural Communication and Extension	1 Semester	6	Knierim
3	4404-450	Innovations in Agriculture	1 Semester	6	Birner
3	4908-450 4801-480	Organic Livestock Farming and Products	1 Semester	6	Valle Zárate

Sem	Code	Name of Module	Duration	Credits	Professor
3	4301-420	Inter- and Transdisciplinary Research Approaches in Bio-economics	1 Semester	6	Knierim
3	4301-440	Farm Animal Welfare in Different Societies	1 Semester	6	Knierim
3	4302-420	Ethical Reflection on Food and Agriculture **	1 Semester	6	Bieling
3	4302-450	Emotions in Public Discourses on Food and Agriculture **	blocked in March	6	Bieling
3	4908-410 4801-410	Genetic Resources and Animal Husbandry Systems (<i>not in WS 16/17</i>)	1 Semester	6	Valle Zárate
3	4909-410 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
3	4909-430* 4802-470*	Experimental Aquaculture	In March	6	Focken

WS = winter semester

SS = summer semester

* Please register for participation per ILIAS

** Number of places is limited. Please register for participation per ILIAS

***See module catalogue for qualifications necessary for attendance

Module Descriptions For the contents of all modules: uni-hohenheim.de/en/module-catalogue

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.

Semester Duration and Lecture Times One semester lasts 14 weeks (winter as well as summer semester). The lectures usually begin 15 minutes after the defined start time indicated in the course catalogue (c.t. = lat.: cum tempore = "with time"). Therefore, a lecture with a defined start time at 9 c.t. starts at 9:15. If a lecture starts on time at 9:00, there will be an indication 9 s.t. (lat.: sine tempore = „without time“).

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

Modules with Limited Number of Participants Some modules can accept only a limited number of participants due to space constraints or supervision regulations. In this case, it is necessary to register for the module in advance. If there is a limited number of participants, this will be stated under the “comments” (“Anmerkungen”) section of the module description. Please check before lectures start, whether the modules you have chosen have a limited number of participants or not. (uni-hohenheim.de/en/module-catalogue). Each module with a limited number of participants is set up as a course on the e-learning platform ILIAS (<https://ilias.uni-hohenheim.de/>). You have to register there and you can read there how the spots are allocated on ILIAS. In general, the following applies: Students for whom the respective module is compulsory or the last module that needs to be completed to finish a degree program, must always be admitted. If you have not yet enrolled by the end of the registration period and do not yet have access to ILIAS, please contact the degree program coordinator. She will register you for the module.

For blocked modules with a limited number of participants in block period 1, the registration starts at least two weeks before the start of the lecture period and ends eight days before the lecture period. For all other modules with a limited number of participants, the registration period starts at least one week before the start of the lecture period and ends at the end of the first week after the start of the lecture period.

Please mind: this ILIAS registration is only for participation and NOT a registration for the examination!

Marks and Grades

	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 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.

Registering for Examinations

Students have to register for the examinations of each semester at the examination office per *Studium Online* during the time period announced at the examination office. After registration a module cannot be dropped any more. When you have to register for an examination depends on whether it is a blocked or a non-blocked module. More information on examination periods and dates, deadlines for registration, withdrawal, and resits is given at the homepage of the examination office: <https://www.uni-hohenheim.de/en/exams>.

Examinations

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 from the first trial of each module's examination is possible until 7 days before the examination date. The examination will be postponed to the next possible examination period.

The claim for examination expires if:

- one out of 15 modules needs to be repeated more than two times
- an examination of one of the modules has not been passed by the end of the seventh semester at the latest.

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 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 5.0). A declaration (<https://agrar.uni-hohenheim.de/en/plagiats>) 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 fieldwork, 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.

There are several possibilities for finding the right reviewer and the right topic. Sometimes you can find them using the published Final thesis topics (www.uni-hohenheim.de/en/finaltheses), sometimes from the homepage of the department or institute, or you can talk directly to a professor.

The Master's thesis has to be registered at the latest three months after notification of the final passed module examination or at the start of the seventh semester. Otherwise it is graded "fail" (F; mark 5.0).

Evaluation of Modules The quality of courses and modules is evaluated every year by the students of all study programs. 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	Most modules are organized 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.
Mentoring	<p>A personal mentor from the teaching staff is assigned to advise on appropriate profiles and support smooth and goal-oriented progress. The form on page 11 serves as a basis for a counseling interview. Fill in name, code, and credits of all modules and specify for each module if it is a compulsory (C), semi-elective (S), elective (E) or an additional (A) module for you. It is strongly recommended NOT to mix blocked and unblocked modules within one semester.</p> <p>Mentors are:</p> <ul style="list-style-type: none"> • Prof. Dr. Folkard Asch, Management of Crop Water Stress in the Tropics and Subtropics (490) • 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 (490) • Prof. Dr. Joachim Müller, J., Agricultural Engineering in the Tropics and Subtropics (440) • Prof. Dr. Uta Dickhöfer, Animal Production in the Tropics and Subtropics (490) • Prof. Dr. Frank Rasche, Agroecology in the Tropics and Subtropics (490) • Prof. Dr. Anne Valle Zárate, Animal Breeding and Husbandry in the Tropics and Subtropics (490)/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 program if the total grade is above average.
Responsible Scientist	Prof. Dr. Folkard Asch Management of Crop Water Stress in the Tropics and Subtropics
Contact	<p>Program Coordinator AgriTropics Katrin Winkler University of Hohenheim (300) 70593 Stuttgart, Germany Telephone +49-711-459-23305 Telefax +49-711-459-23315 E-Mail: masterpr@uni-hohenheim.de http://www.uni-hohenheim.de/agritropics</p>

MSc-Studien- und Prüfungsplan | MSc Study and Examination Plan

Name: _____ Studiengang / Study Programme: _____

*Dieser Plan dient als Diskussionsgrundlage für ein Beratungsgespräch und ist danach für Ihre Unterlagen bestimmt. Geben Sie bei jedem Modul Modulerkennung, Modulname, Credits und Verbindlichkeit an. (P=Pflicht-, WP=Wahlpflicht-, W=Wahl-, Z=Zusatzmodul). Es wird dringend empfohlen, in einem Semester entweder nur geblockte oder ungeblockte Module zu belegen. **Bitte achten Sie selbst darauf, bis zum Ende Ihres Studiums die für Ihren Studiengang erforderliche Anzahl von Wahlpflichtmodulen abzulegen.** | This document serves as a basis for a counselling interview. Keep it with your own study documents afterwards. Fill in name, code, and credits of all modules and specify for each module if it is a compulsory (C), semi-elective (S), elective (E) or an additional (A) module for you. It is strongly recommended NOT to mix blocked and unblocked modules within one semester. **It is within your own responsibility to achieve the minimum amount of semi-elective modules required for your study programme until the end of your studies.***

1. Semester WS / SS:	Verbindlichkeit Bindingness	Credits	2. Semester: WS / SS:	Verbindlichkeit Bindingness	Credits	3. Semester: WS / SS:	Verbindlichkeit Bindingness	Credits	4. Semester: WS / SS:	Verbindlichkeit Bindingness	Credits
Σ Semester-Credits	X		X	X		X	X		X	X	

Geblockte Module der Fakultät Agrarwissenschaften für das Wintersemester 2016/17

Blocked Modules in Winter Semester 2016/17

05.08.2016

● = Pflicht/Compulsory ◐ = Wahlpflicht/Semi-elective ○ = Wahl/Elective

Blockperiode / Period	Block 1 (7.5 credits!)	Block 2 (7.5 credits!)	Block 3 (7.5 credits!)	Block 4 (7.5 credits!)	März-Block/ March Block
Studiengang / Study Course	17.10. - 11.11.2016	14.11. - 09.12.2016	12.12.16 – 22.12.16/ 09.01. – 20.01.2017	23.01. - 17.02.2017	i.d.R 27.02.- 21.03.2017
B.Sc. Agrarwissenschaften					◐ 4402-210 (Jungbluth) Planung von Nutztierhaltungssystemen (6 credits) ○ 4606-220 (Weiler) Nutztiersystemmanagement – Schwein (6 credits)
M.Sc. Agrarwissenschaften Tierwissenschaften					◐ 4602-530 (Mosenthin) Futterwertbeurteilung, Futtermittelmikrobiologie und –mikroskopie (6 credits)
M.Sc. EnviroFood					◐ 3003-410 (Schöne) Food Safety and Quality Chains (6 credits) <i>Next time offered in March 2018!</i>
M.Sc. Landscape Ecology	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	○ 3201-420 (Schurr) Methods in Landscape and Plant Ecology (7.5 credits!)
M.Sc EnvEuro Ecosystems and Biodiversity (alternative 2)	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	◐ 3201-420 (Schurr) Methods in Landscape and Plant Ecology (7.5 credits!)
M.Sc. Crop Sciences (3.Sem., blocked semester package)	○ 3000-410 (Müller, T.) Portfolio Module (Master)	○ 2601-410 (Schaller) Pflanze-Pathogen Interaktionen (5 Plätze für CS)	○ 2602-500 (Schulze) Regulatorische Prinzipien pflanzlicher Signaltransduktionswege (5 Plätze für CS)	○ 2203-410 (Steidle) Chemische Signale bei Tieren (3 Plätze für CS)	○ 3103-410 (Streck) Plant and Crop Modeling (6 credits) ○ 2302-410 (Hanke) Spring School "Extreme Environments" (7.5 credits!) (20.02.-17.03.17)
Sonstige M.Sc./Other M.Sc.					○ 4909-430 (Focken) Experimental Aquaculture (27.02.-10.03. at Ahrensburg) (6 credits) ○ 4303-470 (Lemke) Gender, Nutrition, and Right to Food (6 credits!)
					○ 4302-450 (Bieling) Emotions in Public Discourses on Food and Agriculture (6 credits!)

Check module descriptions for how to register for participation (<https://www.uni-hohenheim.de/modulkatalog.html>)

Blocked Modules in Summer Semester 2017

05.08.2016

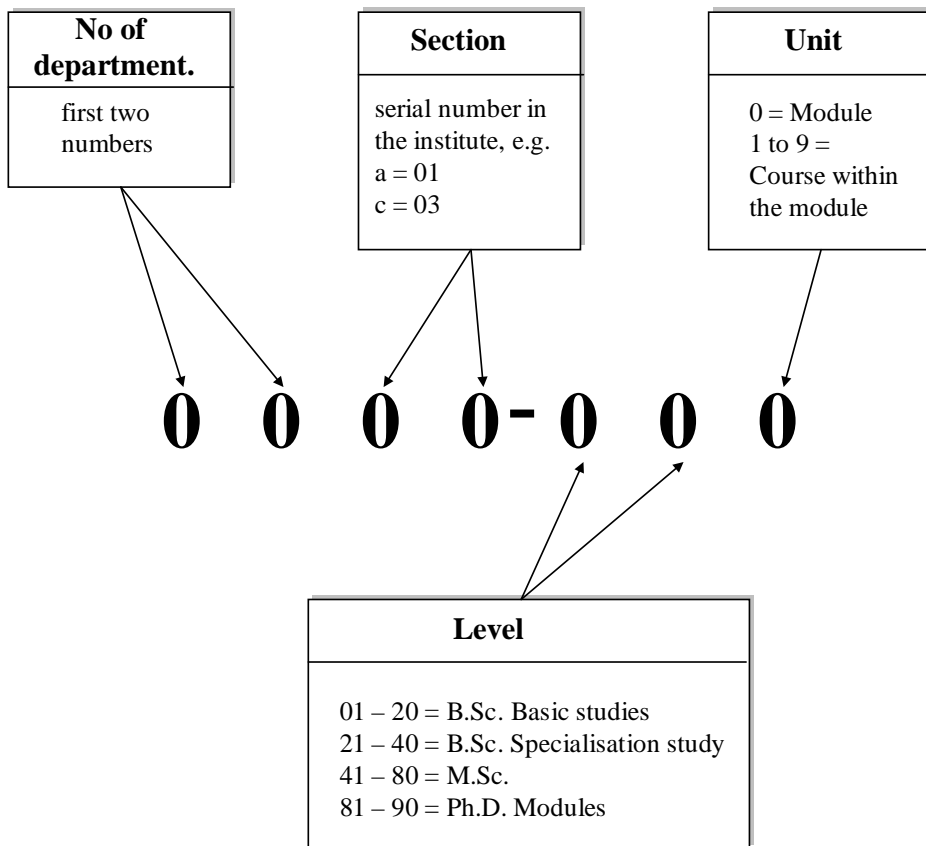
● = Pflicht/Compulsory ◄ = Wahlpflicht/Semi-elective ○ = Wahl/Elective

Blockperiode / Period	Block 1 (7,5 credits)	Block 2 (7,5 credits)	Block 3 (7,5 credits)	Block 4 (7,5 credits)	By arrangement (7,5 credits)
Studiengang / Study Course	03.04. - 28.04.2017	02.05. - 26.05.2017	29.05. - 02.06.2017 / 12.06. - 30.06.2017	03.07. - 28.07.2017	
M.Sc. Agrarwissenschaften Bodenwissenschaften	◄ 3103-450 (Streck) Spatial Data Analysis with GIS	◄ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	◄ 3101-580 (Rennert) Boden- schutz, Bodenbewertung, - sanierung	● 3101-430 (Rennert) Integr. bodenw. Projekt f. Fortgeschr. / Interdiscipl. Advanced Soil Science Project (Engl.+ Ger.)	◄ 3102-420 (Kandeler) Bodenwissenschaftliches Expe- riment/Project in Soil Sciences (Engl.+ Ger.)
	◄ 3102-450 (Kandeler) Molecular Soil Ecology	◄ 3101-560 (Rennert) Soils of the World	◄ 3101-570 (Herrmann) Boden- und veg.kundl. Geländeübung / Field Course Soils + Vegetation		○ 3101-450 (Herrmann) Große pedologische Geländeübung / Major Pedological Field Trip (Engl.+ Ger.) (September)
	◄ 3201-620 (Schmieder) Vege- tation and Soils of Centr. Europe				
M.Sc. Agrarwissenschaften		○ 4605-500 (Beyer) Biologische Sicherheit und Gen- technikrecht	◄ 7301-410(Rosenkranz) Bienen	○ 4604-420 (Steffl) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
		○ 7301-400 (Rosenkranz) Soziale Insekten (10 Plätze für Fak. A)			
Tierwissenschaften: Profil Ernährung und Futtermittel	◄ 4602-410 (Mosenthin) Methoden zur Analytik und Qua- litätsbeurt. von Futtermitteln	◄ 4601-430 (Rodehutsord) Tra- cer Techniques in Animal Nutri- tion		◄ 4601-450 (Rodehutsord.) Spezielle Ernährung der Wie- derkäufer	
Tierwissenschaften: Profil Genomik und Züchtung		◄ 4607-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◄ 4608-420 (Hasselmann) Molekulare Evolution und Popu- lationsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◄ 4606-490 (Stefanski) Verhaltensbiologie	◄ 4606-420 (Stefanski) Immunologie und Infektionsbio- logie (nicht Block 3)	◄ 4604-410 (Huber) Leistungs- assoziierte Stoffwechselstörungen bei landw. Nutztieren (nicht Bl.2)	◄ 4605-490 (Hölzle) Spezielle Tierhygiene	
M.Sc. Agrarwissenschaften Agricultural Economics	○ 4202-420 (Becker) Question- naire Design and Data Analysis in SPSS (partly blocked!)				
M.Sc. AgriTropics	● 4907-440 (Asch) Interdiscipl. Practical Science Training (AgriTropics only!)	○ 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4909-420 (Dickhöfer) Quanti- tative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ 4908-430 (Valle Zárate) Live- stock Breeding Programmes	○ 4605-450 (Hölzle) Food Safe- ty a. Drinking Water Quality re- lated to Zoonoses in the T+S	○ 4908-420 (Valle Zárate) Pro- motion of Livestock in Trop. En- vironments	
Crop		○ 4905-430 (Cadisch) Integrated Agricultural Produc- tion Systems	○ 4907-430 (Asch) Crop Production Affecting the Hy- drological Cycle	○ 4907-420 (Asch) Ecophysiology of Crops in the Tropics and Subtropics	
		○ 3101-560 (Rennert) Soils of the World	○ 3501-480 (Melchinger) Breeding of Trop., Ornamental, and Vegetable Plants		
Engineering		○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Products	○ 4403-470 (Müller, J.) Renewable Energy for Rural Ar- eas	○ 4403-410 (Müller, J.) Irrigation and Drainage Technology	

Economics			○ 4901-410 (Zeller) Rural Development Policy and Institutions	○ 1401-530 (Scherbaum) Global Nutrition	
M.Sc. Crop Sciences (blocked semester packages)	○ 2601-430 (Schaller) Entwicklungsbiologie der Pflanzen (5 Plätze für CS)	○ 1101-410 (Kügler) Applied Mathematics for the Life Sciences II (5 Plätze für CS)	Sofern Zulassung möglich: ggf. Kombination der beiden Virologie-Module 2402-410 und 2402-420 in Block 3 und 4	○ 2202-400 (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molec. Interactions a. Evolution (8 Pl. UHOH)	
		○ 4605-500 (Beyer) Biologische Sicherheit und Gentechnikrecht			
	○ 3102-450 (Kandeler) Molecular Soil Ecology	○ 4905-430 (Cadisch) Integr. Agricultural Production Systems	○ 4907-430 (Asch) Crop Prod. Affecting the Hydrological Cycle	○ 4907-420 (Asch) Ecophysiology of Crops in the T+S	○ 3603-500 (Zebitz) Exercises in Biological Pest Control
M.Sc. EnviroFood	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4605-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	● 1401-530 (Scherbaum) Global Nutrition	
		● 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Products	○ 1401-490 (Biesalski) Food Security	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
M.Sc. EnvEuro Environm. Impacts	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	
		● 3101-560 (Rennert) Soils of the World	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Environm. Management	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 4905-430 (Cadisch) Integrated Agricultural Production Systems	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Soil Resources and Land Use	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3101-560 (Rennert) Soils of the World	● 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	● 3301-480 (Müller, T.) Fertilisation and Soil Fertility Management in the T. and S.
		● 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	○ 3102-420 (Kandeler) Bodenkundl. Experiment/Project in Soil Sciences (Engl.+ Ger.)
Ecosystems and Biodiversity	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3201-590 (Schurr) Combining Ecological Models and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3103-460 (Streck) Environmental Science Project	
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 3201-600 (Schurr) Intensive Course Landscape Ecology	
M.Sc. Landscape Ecology	● 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	● 3201-590 (Schurr) Combining Ecological Models and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3201-600 (Schurr) Intensive Course Landscape Ecology	
	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3101-560 (Rennert) Soils of the World	● 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle		
		● 4906-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 4303-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services		

Check module descriptions for how to register for participation (<https://www.uni-hohenheim.de/modulkatalog.html>)

Explanation of Module Code



Lecture Periods

WS 16/17	First day of <u>un</u>-blocked modules:	(42. KW) Monday, 17.10.2016
	First day of blocked modules:	(42. KW) Monday, 17.10.2016
	Last day of <u>un</u>-blocked modules:	(5. KW) Saturday, 04.02.2017
	Last day of blocked modules:	(6. KW) Friday, 17.02.2017
SS 17	First day of blocked modules:	(14. KW) Monday, 03.04.2017
	First day of <u>un</u>-blocked modules:	(14. KW) Monday, 03.04.2017
	Last day of <u>un</u>-blocked modules:	(28. KW) Saturday, 15.07.2017
	Last day of blocked modules:	(30. KW) Friday, 28.07.2017

Free of lectures: All Saints' Day: Sun, 01.11.2016, Christmas holidays: Fri, 23.12.2016 – Sat, 07.01.2017, Easter holidays: Fri, 14.04. – Mon, 17.04.2017, Labour Day: Mon, 01.05.2017, Ascension Day: Thu, 25.05.2017, Pentecost: Tue, 06.06.2017 – Sat, 10.06.2017 (excursions might take place during that week!), Feast of Corpus Christi: Thu, 15.06.2017. "Dies Academicus" (probably 07.07.2017) will be free of lectures, too.

Examination periods in winter semester 2016/17

B.Sc. and M.Sc. period 1: calendar week 6 to 8
B.Sc. and M.Sc.: period 2: calendar week 12 to 13
Deadline for the registration for exams: is fixed by the examination office

Examination periods in summer semester 2017

B.Sc. and M.Sc. period 1: calendar week 29 to 31
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/en/exams>).