UNIVERSITÄT HOHENHEIM

FAKULTÄT AGRARWISSENSCHAFTEN

Agricultural Sciences in the Tropics and Subtropics

Master of Science

Curriculum

September 2015

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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. 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 29th of July 2015).

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 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*

Program - 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 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).

<table>
<tr><th></th><th>1. Semester</th><th>2. Semester</th><th>3. Semester</th><th>4. Semester</th></tr>
<tr><td>6 Credits</td><td>3801-420 (Cadisch) Crop Production Systems</td><td rowspan="2">3803-470 (Asch) Interdisciplinary Practical Science Training (7.5 credits)</td><td>4903-460 (Birner) Methods in Interdisciplinary Collaboration</td><td rowspan="5">Master Thesis
(30 credits)</td></tr>
<tr><td>6 Credits</td><td>3802-410 (Sauer-born) Ecology and Agroecosystems</td><td>3402-420 (Piepho) Quantitative Meth-ods in Biosciences</td></tr>
<tr><td>6 Credits</td><td>4904-450 (Berger) Farm and Project Evaluation</td><td rowspan="2">Elective module (7.5 credits)</td><td rowspan="2">Elective module (6 credits)</td></tr>
<tr><td>6 Credits</td><td>3803-4 (Asch) Natural Resource Use and Conserva-tion in the T. + S.</td><td rowspan="2">Elective module (7.5 credits)</td></tr>
<tr><td>6 Credits</td><td>4801-450 (Valle Zárate) Livestock Production Sys-tems and Develop.</td><td>Elective module (7.5 credits)</td><td>Elective module (6 credits)</td></tr>
</table>

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. Upon application, examination achievements of up to 30 credits can be recognised. The full program has an extent of 120 ECTS.

Modules

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

* The number of places is limited but places for AgriTropics students are guarateed. 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 programs 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 defined	1 – 7.5	Müller, T.
2	3101-560	Soils of the World	SS, Block 2	7.5	Herrmann
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	4403-550	Post-Harvest Technology of Food and Bio-Based Products	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	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	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	4602-450	Food Safety and Drinking Water Quality Related to Zoonoses in the Tropics and Subtropics	SS, Block 3	7.5	Hölzle
2	3803-430	Ecophysiology of Crops In the Trop. and Subtrop.	SS, Block 4	7.5	Asch
2	4303-480	Global Nutrition	SS, Block 4	7.5	Lemke
2	4403-410	Irrigation and Drainage Technology	SS, Block 4	7.5	Müller, J.
2	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	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	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	4302-420	Ethical Reflection on Food and Agriculture	1 Semester	6	Bieling

Sem	Code	Name of Module	Duration	Credits	Professor
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
3	4802-470*	Experimental Aquaculture	In March	6	Focken

WS = winter semester
SS = summer semester
* Please register for participation per ILIAS
** The number of places is limited
***See module catalogue for qualifications necessary for attendance

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.

Marks and Grades

	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

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.

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.

Counselling Confirmation

Students have to seek advice of one of the mentors of the program on which elective modules are suitable for their individual profile. During the first month of study the candidate a counselling confirmation has to be signed by a coordinator 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 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 Master's thesis is not registered at the latest three months after notification of the final passed module examination or at the start of the seventh semester.

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 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.

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 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 & Mentoring

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.
A personal mentor from the teaching staff is assigned to advise on appropriate profiles and support smooth and goal-oriented progress. The counselling confirmation 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 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

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Module Duration within all Master's Programs of the Faculty of Agricultural Sciences

Master's Program			Semester Structure from WS 14/15 on			
Program	**Specialization**	**Language**	**Winter Semester 1** (Compulsory-/SE)	**Summer Semester1** (Compulsory/SE/Elective)	**Winter Semester 2** (Compulsory/SE/Elective)	**Summer Semester 2**
AW	Agrartechnik	German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Bodenwissenschaften	German	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Pflanzenproduktionssysteme	German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Tierwissenschaften	German	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
Agribusiness		German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
NawaRo		German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
Crop Sciences	Plant breeding & seed scien.	English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Plant nutrition & protection		Whole Semester	Package Fak. A and/or N	Package Fak. A or N	Master's-Thesis
AgriTropics		English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
AgEcon		English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
Landscape Ecology		English	4 Weeks Blocked	4 Weeks Blocked	Whole Semester	Master's-Thesis
EnviroFood		English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
Bioeconomy		English	Whole Semester	Whole Semester	Package Fak. W/A or N	
Double Degree	**Specialization**					
EnvEuro	Ecosystems & Biodiversity	English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Impacts		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Management		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Climate Change		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Soil Resources & Land Use		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
EurOrganic		English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis

Geblockte Module der Fakultät Agrarwissenschaften für das Wintersemester 2015/16 27.08.2015
Blocked Modules in Winter Semester 2015/16

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

Blockperiode / Period Studiengang / Study Course	**Block 1** *(7.5 credits!)* **12.10. - 06.11.2015**	**Block 2** *(7.5 credits!)* **09.11. - 04.12.2015**	**Block 3** *(7.5 credits!)* **07.12.15 – 22.12.15/ 07.01. – 15.01.2016**	**Block 4** *(7.5 credits!)* **18.01. - 12.02.2016**	**März-Block/ March Block** *(6 credits!)*
B.Sc. Agrarwissenschaften					◖ **4402-210** (Jungbluth) Planung von Nutztierhaltungssystemen *(29.02.-22.03.16)*
					○ **4701-220** (Weiler) Nutztiersystemmanagement – Schwein *(29.02.-22.03.16)*
M.Sc. Agrarwissenschaften Tierwissenschaften					◖ **4502-410 (**Mosenthin) Futterwertbeurteilung, Futtermittelmikrobiologie und –mikroskopie *(29.02.-22.03.16)*
M.Sc. EnviroFood					◖ **3003-410** (Schöne) Food Safety and Quality Chains *(29.02.-11.03. + 22.03.16)*
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	
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)*	~~○ **3503-460** (Scholten) Molecular Plant Genetics~~ **2203-410** (Steidle) Chemische Signale bei Tieren	○ **3103-410** (Streck) Plant and Crop Modeling *(07.03.-17.03.16)*
Sonstige M.Sc./Other M.Sc.					○ **4802-470** (Focken) Experimental Aquaculture *(07.-18.03.16 at Ahrensburg)*
					○ **4303-470** (Lemke) Gender, Nutrition, and Right to Food *(29.02.-22.03.16)*

Anmeldemodalitäten für Teilnahme siehe Modulkatalog / Check module descriptions for how to register for participation (https://www.uni-hohenheim.de/modulkatalog.html)

Blocked Modules in Summer Semester 2016

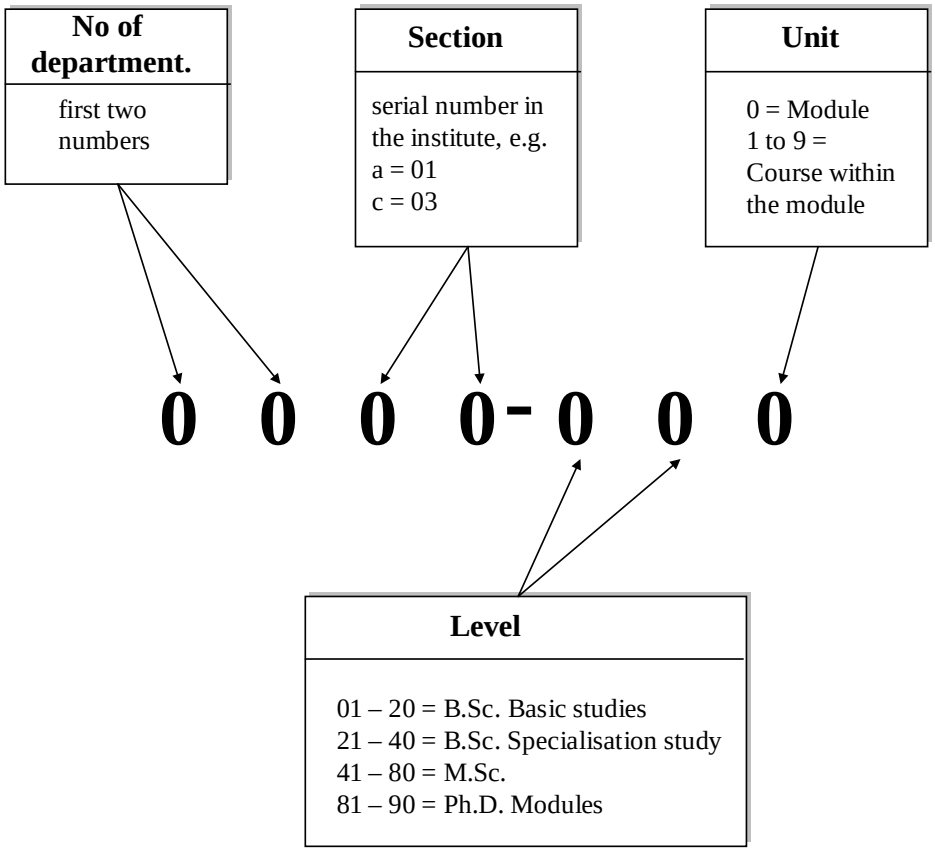
27.08.2015

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

Blockperiode / Period Studiengang / Study Course	**Block 1** *(7,5 credits)* **04.04. - 29.04.2016**	**Block 2** *(7,5 credits)* **02.05. - 13.05. / 23.05. - 03.06.2016**	**Block 3** *(7,5 credits)* **06.06. - 01.07.2016**	**Block 4** *(7,5 credits)* **04.07. - 29.07.2016**	**By arrangement** *(7,5 credits)*
M.Sc. Agrarwissenschaften Bodenwissenschaften	◖ **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3102-440** (Kandeler) Environmental Pollution and Soil Organisms	◖ **3101-580** (Rennert) Bodenschutz, Bodenbewertung, -sanierung	● **3101-430** (Rennert) Integr. bodenw. Projekt f. Fortgeschr. / Interdiscipl. Advanced Soil Science Project (Engl.+ Ger.)	◖ **3102-420** (Kandeler) Bodenwissenschaftliches Experiment/Project in Soil Sciences (Engl.+ Ger.) ○ **3101-450** (Herrmann) Große pedologische Geländeübung / Major Pedological Field Trip (Engl.+ Ger.) (September)
	◖ **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		
	◖ **3201-620** (Schmieder) Vegetation and Soils of Centr. Europe				
M.Sc. Agrarwissenschaften		○ **4602-500** (Beyer) Biologische Sicherheit und Gentechnikrecht	◖ **7301-410**(Rosenkranz) Bienen	○ **4601-420** (Steffl) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
		○ **7301-400** (Rosenkranz) Soziale Insekten *(10 Plätze für Fak. A)*	~~◖ **4701-480** (Stefanski) Verhaltensphysiologie und Immunobiologie~~		
Tierwissenschaften: Profil Ernährung und Futtermittel	◖ **4502-430** (Mosenthin) Methoden zur Analytik und Qualitätsbeurt. von Futtermitteln	◖ **4601-430** (Rodehutscord) Tracer Techniques in Animal Nutrition		◖ **4501-450** (Rodehutscord.) Spezielle Ernährung Wiederkäuer	
Tierwissenschaften: Profil Genomik und Züchtung		◖ **4702-510** (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◖ **4608-420** Hasselmann). Molekulare Evolution und Populationsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◖ **4701-490** (Stefanski) Verhaltensbiologie	◖ **4604-410** (Huber) Anatomische und physiologische Aspekte in den Nutztierwissenschaften	◖ **4606-420** (Stefanski) Immunologie und Infektionsbiologie	◖ **4602-490** (Hölzle) Spezielle Tierhygiene	
Agrarwissenschaften Agricultural Economics	○ **4202-420** (Becker) Questionnaire Design and Data Analysis in SPSS (partly blocked!)				
M.Sc. AgriTropics	● **3803-470** (Asch) Interdiscipl. Practical Science Traíning (**AgriTropics only!**)	○ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ **4802-450** (Dickhöfer) Quantitative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ **4801-430** (Valle Zárate) Livestock Breeding Programmes	○ **4602-450** (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	○ **4801-420** (Valle Zárate) Promotion of Livestock in Trop. Environments	
Crop		○ **3801-430** (Cadisch) Integrated Agricultural Production Systems	○ **3803-450** (Asch) Crop Production Affecting the Hydrological Cycle	○ **3803-430** (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 Areas	○ **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)*	○ **4602-500** (Beyer) Biologische Sicherheit und Gentechnikrecht		○ **1101-430** (Kügler) Modelling and Simulation of Biochemical Reaction Networks *(5 Plätze für CS)*	← ○ **2202-400** (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molec. Interactions a. Evolution *(8 Pl. UHOH)*
	○ **3102-450** (Kandeler) Molecular Soil Ecology	○ **3801-430** (Cadisch) Integr. Agricultural Production Systems	○ **3803-450** (Asch) Crop Prod. Affecting the Hydrological Cycle	○ **3803-430** (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 Poll.a.Soil Organisms	◖ **4403-470** (Müller, J.) Renewable Energy for Rural Areas	◖ **3103-460** (Streck) Environmental Science Project	
		◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ **4602-450** (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. Landscape Ecology	◖ **3201-620** (Schmieder) Vegetation and Soils of Centr. Europe	◖ **3201-590** (Schurr) Combining Ecological Modells 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	◖ **3803-450** (Asch) Crop Production Affecting the Hydrological Cycle		
		◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ **4303-4X0** (Bieling) Landscape Change, Nature Conservation and Ecosystem Sevices		
M.Sc. EnvEuro Environm. Impacts	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	◖ **3803-450** (Asch) Crop Production Affecting the Hydrological Cycle	◖ **3103-460** (Streck) Environmental Science Project	
		◖ **3101-560** (Rennert) Soils of the World	◖ **3101-570** (Hermann) Field Course Soils and Vegetation	◖ **4403-410** (Müller, J.) Irrigation and Drainage Technology	
Environm. Management	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3801-430** (Cadisch) Integrated Agricultural Production Systems	◖ **4403-470** (Müller, J.) Renewable Energy for Rural Areas	◖ **3103-460** (Streck) Environmental Science Project	
		◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ **4302-430** (Bieling) Landscape Change, Nature Conservation and Ecosystem Sevices	◖ **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	◖ **3803-450** (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) Bodenwissenschaftl. Experiment/Project in Soil Sciences (Engl.+ Ger.)
Climate Change	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	◖ **3803-450** (Asch) Crop Production Affecting the Hydrological Cycle	◖ **3103-460** (Streck) Environmental Science Project	
			◖ **4403-470** (Müller, J.) Renewable Energy for Rural Areas	◖ **3803-430** (Asch) Ecophysiology of Crops in the T+S	
			○ **4302-430** (Bieling) Landscape Change, Nature Conservation and Ecosystem Sevices	◖ **4403-410** (Müller, J.) Irrigation and Drainage Technology	
Ecosystems and Biodiversity	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3201-590** (Schurr) Combining Ecological Modells and Data	◖ **3101-570** (Herrmann) Field Course Soils and Vegetation	◖ **3103-460** (Streck) Environmental Science Project	
		◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ **4302-430** (Bieling) Landscape Change, Nature Conservation and Ecosystem Sevices	◖ **3201-600** (Schurr) Intensive Course Landscape Ecology	

Explanation of Module Code



Lecture Periods

WS 15/16	**First day of un-blocked modules:**	(42. KW) Monday, 12.10.2015
	First day of blocked modules:	(42. KW) Monday, 12.10.2015
	Last day of un-blocked modules:	(5. KW) Saturday, 01.02.2016
	Last day of blocked modules:	(6. KW) Friday, 12.02.2016
SS 16	**First day of blocked modules:**	(14. KW) Monday, 04.04.2016
	First day of un-blocked modules:	(14. KW) Monday, 04.04.2016
	Last day of un-blocked modules:	(28. KW) Saturday,16.07.2016
	Last day of blocked modules:	(30. KW) Friday, 29.07.2016

Free of lectures: All Saints' Day: Sun 01.11.2015, Christmas holidays: Wed 23.12.2015 – Wed 06.01.2016, Easter holidays: Fri 25.03. – Mon 28.03.2016, Labour Day: Sun 01.05.2016, Ascension Day: Thu 05.05.2016, Pentecost: Mon 16.05.2016 – Sat 21.05.2016 (excursions might take place during that week!), Feast of Corpus Christi: Thu 26.05.2016. The "Dies Academicus" (01.07.2016) will be free of lectures too.

Examination periods in winter semester 2015/16

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 2016

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/pruefung.html?&L=1**).