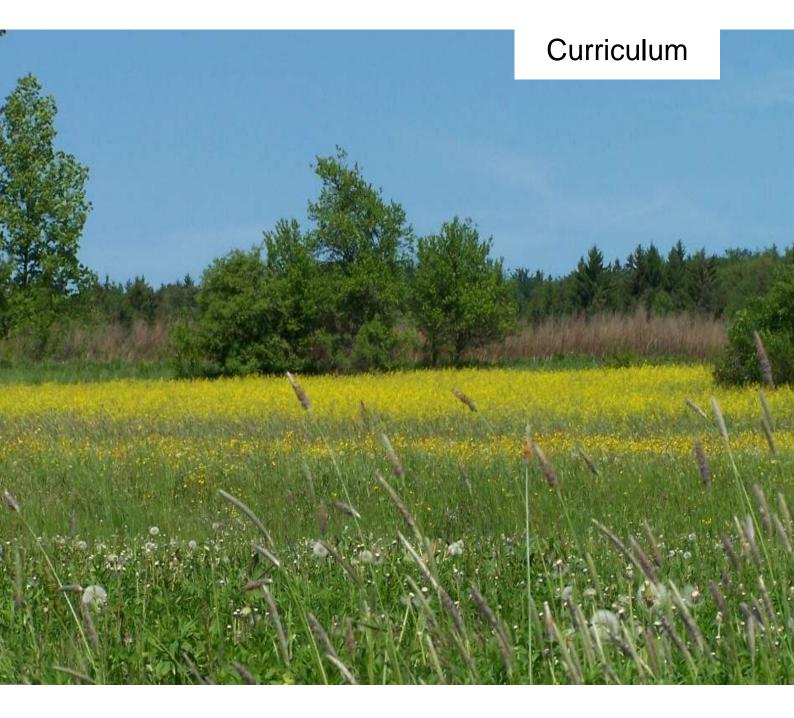UNIVERSITÄT HOHENHEIM

FAKULTÄT AGRARWISSENSCHAFTEN

Landscape Ecology
Master of Science

Curriculum

September 2015

Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with comprehensive information about the M.Sc. program „Landscape Ecology". It contains information about the course 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 (karin.amler@uni-hohenheim.de) to obtain up-to-date information. For up-to-date module descriptions please refer to the web-pages at www.uni-hohenheim.de/modulkatalog. Time schedules and lecture halls of all courses are displayed in the Course Catalogue of the University of Hohenheim, available at the beginning of each semester online on the university's homepage: **www.uni-hohenheim.de**.

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The Master's Program *Landscape Ecology*

Program Objectives

Climate, soils, human land use and other aspects of the environment vary in space and time. Landscape ecology studies how organisms respond to such environmental variation, how their interactions in variable environments determine community dynamics, and how these dynamics affect ecosystem processes. These fundamental topics of ecology and biodiversity research are also crucial for answering pressing questions posed by global environmental change:

- How can we conserve biodiversity under global change?
- How can we maintain ecosystem services important for society?
- How can natural resources be used sustainably in a changing environment?

In this program, students acquire the ecological understanding, the quantitative skills, and the practical experience necessary to study ecological dynamics in changing environments. This enables them to assess environmental change effects on biodiversity and ecosystems, and to develop concepts for the sustainable use of natural resources.

Program Design

The two-year M.Sc. program "Landcape Ecology" comprises four semesters of full time study with a total workload of approximately 3200 hours (including presence hours in lectures, seminars and exercises and the preparation time at home). Within the two years, several thematic modules and the Master Thesis have to be completed. The program can be started in October (winter semester) each year and the language of instruction is English.

The program follows a modular course structure. In the first two semesters, students complete five compulsory and three semi-elective modules. In the third semester, they choose five elective modules from a broad list of subjects and in the fourth semester, they work on their thesis. This program structure ensures a solid landscape ecology education but also allows students to get trained according to their own career aspirations.

	1. Semester	2. Semester		3. Semester	4. Semester
7.5 Credits	**3201-560** (Schurr) Landscape Ecology	Semi-elective module	6 Credits	Elective module	
7.5 Credit	**3201-570** (Schurr) Community and Evolutionary Ecology	Semi-elective module	6 Credits	Elective module	
7.5 Credit	**3201-580** (Schurr) Conservation Biology	Semi-elective module	6 Credits	Elective module	**Master Thesis** (30 credits)
7.5 Credit	**3202-440** (Fangmeier) Plant Ecology	**3201-600** (Schurr) Intensive Course Landscape Ecology	6 Credits	Elective module	
			6 Credits	Elective module	

The modules of the first year 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. The modules of the third semester last the full length of the semester with an exam at the end of the semester.

The **compulsory modules** (together 37.5 credits) are:

Sem	Code	Name of Module	Duration	Credits	Professor
1	3201-560	Landscape Ecology	Block 1, WS	7.5	Schurr
1	3201-570	Community & Evolutionary Ecology	Block 2, WS	7.5	Schurr
1	3201-580	Conservation Biology	Block 3, WS	7.5	Schurr
1	3202-440	Plant Ecology	Block 4, WS	7.5	Fangmeier
2	3201-600	Intensive Course Landscape Ecology	Block 4, SS	7.5	Schurr

Of the following list of **semi-elective modules**, three modules (together 22.5 credits) have to be chosen:

Sem	Code	Name of Module	Duration	Credits	Professor
2	3201-620	Vegetation and Soils of Central Europe *(= Vegetation und Böden Mitteleuropas)*	Block 1, SS	7.5	Schmieder
2	3103-440	Spatial Data Analysis with GIS	Block 1, SS	7.5	Streck
2	3201-590	Combining Ecological Models and Data	Block 2, SS	7.5	Schurr
2	3101-560	Soils of the World	Block 2, SS	7.5	Rennert
2	3802-420	Biodiversity, Plant and Animal Genetic Resources	Block 2, SS	7.5	Sauerborn
2	3101-570	Field Course Soils and Vegetation *(= Boden- und vegetationskundliche Geländeübungen)*	Block 3, SS	7.5	Herrmann
2	3803-450	Crop Production Affecting the Hydrological Cycle	Block 3, SS	7.5	Asch

(WS) = Offered in each winter semester
(SS) = Offered in each summer semester

Furthermore at least 30 credits in **elective modules** have to be chosen. The modules can be chosen from the complete catalogue of the University's agricultural master modules (see: www.uni-hohenheim.de/modulkatalog). Up to 30 credits can also be chosen from courses offered by other study programs at the University of Hohenheim, by another German university or by a foreign university, insofar as these are approved by the examination board. With compulsory, semi-elective, and elective modules a sum of at least 90 credits has to be reached.

Suggestions for elective modules:

Sem	Code	Name of Module	Duration	Credit-s	Professor
1-4	3000-410	Portfolio-Modul (Master)	open	1 – 7.5	Müller, T.
2	3201-450	Spezielle Limnologie	partly blocked	6 (!)	Schmieder
2	4302-430	Landsc. Change, Nature Conserv.a.Ecosys. Serv.	Block 3, SS	7.5	Bieling

Sem	Code	Name of Module	Duration	Credit-s	Professor
3	3004-410	Inland Water Ecosystems*	1 Semester	6	Tremp
3	3103-510	Environmental Modelling	1 Semester	6	Streck
3	3201-610	Project in Landscape Ecology	1 Semester	6	Schurr
3	3201-630	GIS and Remote Sensing in Landscape Ecology*	1 Semester	6	Schmieder
3	3201-640	Applied Limnology	1 Semester	6	Schmieder
3	3202-420	Global Change Issues	1 Semester	6	Fangmeier
~~3~~	~~3202-430~~	~~Air Pollution and Air Pollution Control~~	~~1 Semester~~	~~6~~	~~Fangmeier~~
3	3502-450	Population and Quantitative Genetics	1 Semester	6	Schmid
3	3603-480	Entomology	1 Semester	6	Zebitz
3	3403-420	Nachhaltigkeit und Bewertung von rohstoffliefernden Pflanzen – Life Cycle Assessment	1 Semester	6	Lewandowski
3	3403-430	Graslandwissenschaften	1 Semester	6	Elsässer
3	3801-410	Weltwirtschaftspflanzen und Weidewirtschaft in den Tropen und Subtropen	1 Semester	6	Cadisch
3	3802-410	Ecology and Agroecosystems	1 Semester	6	Sauerborn
3	4602-460	Environmental Microbiology, Parasitology and Microbial Ecology	1 Semester	6	Hölzle

 * Please register for participation per ILIAS

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), 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).

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. 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.

The examination result is expressed in grades and marks. The highest score is 1.0 [grade A]. A score of 4.0 [grade D] is required for passing. The end score is calculated as a weighted average score according to the credits achieved in all modules and the thesis.

	marks and grades	
	grades	*mark*
excellent performance	*very good* A	1.0
	A-	1.3
performance considerably exceed-ing 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

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, a counselling 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 have to register for the examinations of each semester at the examination office during the time period announced at the examination office (within this time period: blocked modules one week before exam at the latest!). 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:
- an examination of one of the modules has not been passed by the end of the seventh semester at the latest
- in one of the 15 modules an exam has to be repeated more than two times

The claim for examinations does not expire if the candidate cannot be held responsible for the failure to comply with the 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://pruefungs amt.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 and the final digital text document has to be transferred to the mentoring supervisor.

Exam Repetition	In case of failure the examination office will inform the student via mail. Normally, the letter includes the repetition date. In some cases the date for repetition has not been pointed out at the time of informing the students. Students are responsible themselves to check with the responsible professor or the examination office about dates for repeater exams. Usually repeater exams for blocked modules will be scheduled by the responsible professor within the same semester. Repeater exams in lectures will usually automatically be scheduled for the next examination period.
Master Thesis	The master thesis shall show that the candidate is able to work independently on a problem in the field of "Landcape Ecology" within a fixed period of time by applying scientific methods. The exam consists of a written (thesis) and an oral (defense) part. The candidate has to defend the essential arguments, results and methods of the thesis in a colloquium of 30-45 minutes. The written part of the master thesis has to be completed within a period of six months. It is usually written during the fourth semester. Depending on the chosen theme 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.
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. In each semester for unblocked modules the lecture period 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	The professors of the University of Hohenheim 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 approved by a mentor or coordinator.

Mentors are:

- Prof. Dr. Frank Schurr, Institute of Landscape and Plant Ecology, Landscape Ecology and Vegetation Science (320a)
- Prof. Dr. Klaus Schmieder, Institute of Landscape and Plant Ecology, Landscape Ecology and Vegetation Science (320a)

Study Abroad	Students are encouraged to spend one semester in the second year at a partner university abroad, to gain additional experience and further strengthen their individual profile. 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. German students are strongly advised to spend a semester abroad. Particularly, the third semester is suitable for integrated study abroad. Students will preferably spend this time at one of the partner universities of the Euro League for Life Sciences: Universität für Bodenkultur Wien (BOKU), Austria; Royal

Veterinary and Agricultural University (KVL), Denmark; Swedish University of Agricultural Sciences (SLU), Sweden; Wageningen University, Netherlands; Czech University of Agriculture (CUA), Czech Republic, Warsaw Agricultural University (SGGW), Poland. On the basis of an agreement on quality standards the members of the Euro League for Life Sciences have agreed to mutually recognize study achievements. Quantitative parity of study achievements is based on the European Credit Transfer System (ECTS). Students may also request to spend the semester at universities other than mentioned above.

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. Frank Schurr
Landscape Ecology and Vegetation Science (320a)

Professors in Charge of Compulsory Modules   Prof. Dr. Frank Schurr
Landscape Ecology and Vegetation Science (320a)

Prof. Dr. Andreas Fangmeier
Plant Ecology and Ecotoxicology (320b)

Contact   **Program Coordinator Landscape Ecology**
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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	Specialisation	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	English	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	Specialisation					
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
Blocked Modules in Winter Semester 2015/16

27.08.2015

● = 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. Agrarwissen-schaften					◖ **4402-210** (Jungbluth) Planung von Nutztierhaltungssystemen *(29.02.-22.03.16)*
					○ **4701-220** (Weiler) Nutz-tiersystemmanagement – Schwein *(29.02.-22.03.16)*
M.Sc. Agrarwissen-schaften Tierwissenschaften					◖ **4502-410 (**Mosenthin) Futterwertbeurteilung, Futtermit-telmikrobiologie 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 Ecol-ogy	● **3201-560** (Schurr) Landscape Ecology	● **3201-570** (Schurr) Communi-ty and Evolutionary Ecology	● **3201-580** (Schurr) Conserva-tion Biology	● **3202-440** (Fangmeier) Plant Ecology	
M.Sc. Crop Sciences (3.Sem., blocked semes-ter package)	○ **3000-410** (Müller, T.) Portfolio Module (Master)	○ **2601-410** (Schaller) Pflanze-Pathogen Interaktionen *(5 Plätze für CS)*	○ **2602-500** (Schulze) Regula-torische 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)
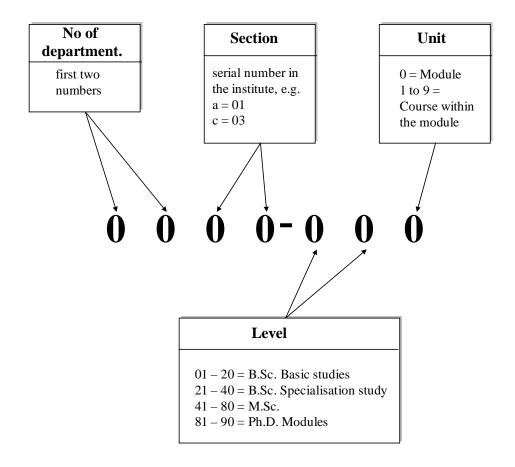
Blocked Modules in Summer Semester 2016

● = 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) Boden-schutz, 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 Wieder-käuer	
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 Programs	○ **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	

Programme					
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	○ **4303-430** (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** (Herrmann) 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	

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

Explanation of Module Code

No of department.	Section	Unit
first two numbers	serial number in the institute, e.g. a = 01 c = 03	0 = Module 1 to 9 = Course within the module

0 0 0 0 - 0 0 0

Level
01 – 20 = B.Sc. Basic studies 21 – 40 = B.Sc. Specialisation study 41 – 80 = M.Sc. 81 – 90 = Ph.D. Modules

Lecture Periods

WS 15/16	**First day of <u>un</u>-blocked modules:**	(42. KW) Monday, 12.10.2015
	First day of blocked modules:	(42. KW) Monday, 12.10.2015
	Last day of <u>un</u>-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 <u>un</u>-blocked modules:	(14. KW) Monday, 04.04.2016
	Last day of <u>un</u>-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**).