UNIVERSITÄT HOHENHEIM

FAKULTÄT AGRARWISSENSCHAFTEN

Landscape Ecology
Master of Science

Curriculum

September 2016

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 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 (karin.amler@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'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 language of instruction is English. The full program has an extent of 120 ECTS and can be started in October (winter semester) each year.

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	4906-420 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	4302-430	Landscape Change, Nature Conservation, and Ecosystem Services	Block 3, SS	7.5	Bieling
2	4907-430 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) *(not graded, see ILIAS*)*	open	1 – 7.5	Müller, T.
2	3201-450	Spezielle Limnologie	partly blocked	6 (!)	Schmieder

Sem	Code	Name of Module	Duration	Credit-s	Professor
2/3	3101-450	International Pedological Field Exercise	blocked by arrangement	7.5	Herrmann (Stahr)
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 Landsc. 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	3502-450	Population and Quantitative Genetics	1 Semester	6	Schmid
3	3603-480	Entomology	1 Semester	6	Zebitz
3	3403-460 ~~3403-420~~	Nachhaltigkeit und Produktionsökologie ~~Bewertung~~ von rohstoffliefernden Pflanzen	1 Semester	6	Lewandowski
3	3403-430	Graslandwissenschaften	1 Semester	6	Elsässer
3	4302-420	Ethical Reflection on Food and Agriculture **	1 Semester	6	Bieling
3	4605-460 ~~4602-460~~	Environmental Microbiology, Parasitology and Microbial Ecology	1 Semester	6	Hölzle
3	4905-410 ~~3801-410~~	Weltwirtschaftspflanzen und Weidewirtschaft in den Trop. und Subtrop.	1 Semester	6	Cadisch
3	4906-410 ~~3802-410~~	Ecology and Agroecosystems**	1 Semester	6	Sauerborn

* https://ilias.uni-hohenheim.de/goto.php?target=crs_318386&client_id=UHOH

** Number of places is limited. 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: 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 A 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: the ILIAS registration is only for participation and NOT a registration for the examination!

Marks and Grades 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 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

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 an 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:
- 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 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 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.

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 ModulesThe 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. 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	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.
Mentoring	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 10 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.

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)
Contact	**Program Coordinator Landscape Ecology** Katrin Winkler, University of Hohenheim (300) 70593 Stuttgart, Germany Telephone +49-711-459-23257 Telefax +49-711-459-24270 E-Mail: katrin.winkler@uni-hohenheim.de www.uni-hohenheim.de/landecol

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 Modulkennung, 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											

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 Studiengang / Study Course	Block 1 (7.5 credits!) 17.10. - 11.11.2016	Block 2 (7.5 credits!) 14.11. - 09.12.2016	Block 3 (7.5 credits!) 12.12.16 – 22.12.16/ 09.01. – 20.01.2017	Block 4 (7.5 credits!) 23.01. - 17.02.2017	März-Block/ March Block i.d.R 27.02.- 21.03.2017
B.Sc. Agrarwissenschaften					◖ **4402-210** (Jungbluth) Planung von Nutztierhaltungssystemen *(6 credits)*
					○ **4606-220** (Weiler) Nutz-tiersystemmanagement – Schwein *(6 credits)*
M.Sc. Agrarwissenschaften Tierwissenschaften					◖ **4602-530 (**Mosenthin) Futterwertbeurteilung, Futtermit-telmikrobiologie und –mikrosko-pie *(6 credits)*
M.Sc. EnviroFood					◖ **3003-410** (Schöne) Food Safety and Quality Chains *(6 credits)* *Next time offered in March 2018!*
M.Sc. Landscape Ecology	● **3201-560** (Schurr) Landscape Ecology	● **3201-570** (Schurr) Communi-ty and Evolutionary Ecology	● **3201-580** (Schurr) Conserva-tion 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) Communi-ty and Evolutionary Ecology	● **3201-580** (Schurr) Conserva-tion 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) Regula-torische Prinzipien pflanzlicher Signaltransduktionswege *(5 Plätze für CS)*	○ **2203-410** (Steidle) Chemi-sche 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) Experi-mental 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

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

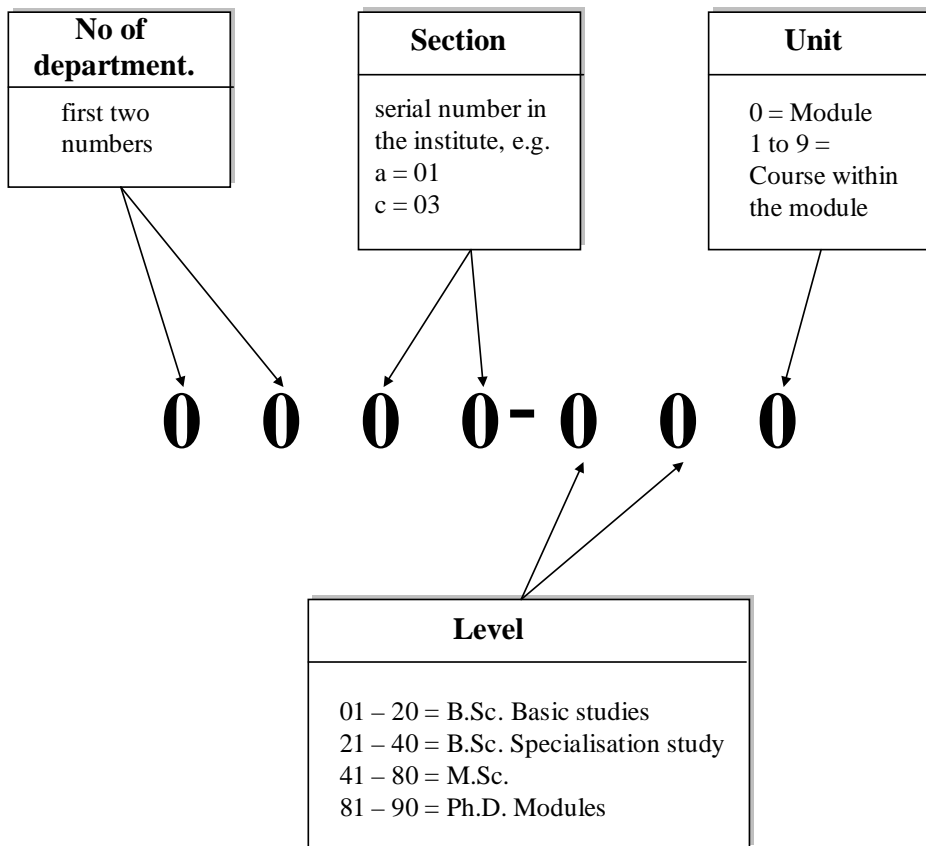| Blockperiode / Period Studiengang / Study Course	Block 1 (7,5 credits) 03.04. - 28.04.2017	Block 2 (7,5 credits) 02.05. - 26.05.2017	Block 3 (7,5 credits) 29.05. - 02.06.2017 / 12.06. - 30.06.2017	Block 4 (7,5 credits) 03.07. - 28.07.2017	By arrangement (7,5 credits)
M.Sc. Agrarwissenschaften Bodenwissenschaften	◖ **3103-450** (Streck) Spatial Data Analysis with GIS ◖ **3102-450** (Kandeler) Molecular Soil Ecology ◖ **3201-620** (Schmieder) Vegetation and Soils of Centr. Europe	◖ **3102-440** (Kandeler) Environmental Pollution and Soil Organisms ◖ **3101-560** (Rennert) Soils of the World	◖ **3101-580** (Rennert) Bodenschutz, Bodenbewertung, -sanierung ◖ **3101-570** (Herrmann) Boden- und veg.kundl. Geländeübung / Field Course Soils + Vegetation	● **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)
M.Sc. Agrarwissenschaften		○ **4605-500** (Beyer) Biologische Sicherheit und Gentechnikrecht ○ **7301-400** (Rosenkranz) Soziale Insekten *(10 Plätze für Fak. A)*	◖ **7301-410** (Rosenkranz) Bienen	○ **4604-420** (Steffl) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
Tierwissenschaften: Profil Ernährung und Futtermittel	◖ **4602-410** (Mosenthin) Methoden zur Analytik und Qualitätsbeurt. von Futtermitteln	◖ **4601-430** (Rodehutscord) Tracer Techniques in Animal Nutrition		◖ **4601-450** (Rodehutscord.) Spezielle Ernährung der Wiederkäuer	
Tierwissenschaften: Profil Genomik und Züchtung		◖ **4607-510** (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◖ **4608-420** (Hasselmann) Molekulare Evolution und Populationsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◖ **4606-490** (Stefanski) Verhaltensbiologie	◖ **4606-420** (Stefanski) Immunologie und Infektionsbiologie (<u>nicht</u> Block 3)	◖ **4604-410** (Huber) Leistungsassoziierte Stoffwechselstörungen bei landw. Nutztieren (<u>nicht</u> Bl.2)	◖ **4605-490** (Hölzle) Spezielle Tierhygiene	
M.Sc. Agrarwissenschaften Agricultural Economics	○ **4202-420** (Becker) Questionnaire 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) Quantitative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ **4908-430** (Valle Zárate) Livestock Breeding Programmes	○ **4605-450** (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	○ **4908-420** (Valle Zárate) Promotion of Livestock in Trop. Environments	
Crop		○ **4905-430** (Cadisch) Integrated Agricultural Production Systems ○ **3101-560** (Rennert) Soils of the World	○ **4907-430** (Asch) Crop Production Affecting the Hydrological Cycle ○ **3501-480** (Melchinger) Breeding of Trop., Ornamental, and Vegetable Plants	○ **4907-420** (Asch) Ecophysiology of Crops in the Tropics and Subtropics	
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	

Programme					
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** (Hermann) 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 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	◀ **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) Bodenwissenschaftl. Experiment/Project in Soil Sciences (Engl.+ Ger.)
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	
		◀ **4906-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	◀ **4302-430** (Bieling) Landscape Change, Nature Conservation and Ecosystem Sevices	◀ **3201-600** (Schurr) Intensive Course Landscape Ecology	
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 Sevices		

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

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

Master's Program			Semester Structure			
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	English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Management	English	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

Explanation of Module Code

No of department.
first two numbers

Section
serial number in the institute, e.g. a = 01 c = 03

Unit
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 16/17	**First day of un-blocked modules:**	(42. KW) Monday, 17.10.2016
	First day of blocked modules:	(42. KW) Monday, 17.10.2016
	Last day of un-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 un-blocked modules:	(14. KW) Monday, 03.04.2017
	Last day of un-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**).