



UNIVERSITY OF
HOHENHEIM



Curriculum

September
2019

Agricultural Sciences in the Tropics and Subtropics

Master of Science

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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 12th of February 2019 including all changes until July 2019).

The information presented reflects the current situation. Titles and contents of compulsory and optional modules are sometimes subject to change. Due to administrative reasons such changes can only be considered in printed materials with delay. For this reason all information is supplied without liability.

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

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

Program - Objectives and Conditions

The population of our world is now 7 billion and rising fast. In order to provide food for ourselves and our children in the years to come, we will need to understand and manage ever more complex and diverse agricultural and ecological systems to enable more efficient and sustainable food production in a resource protecting way. This will be particularly true for developing countries in tropical and sub-tropical regions where the population is increasing most rapidly and resources are most limiting.

Any attempts to tackle the problems must involve the application of all branches of Agricultural Sciences in ways that will carefully: analyse existing food production systems, develop sound strategies to safeguard natural resources, and provide new, sustainable and adaptable techniques for farmers to use.

To meet this demand the Master Program Agricultural Sciences in the Tropics and Subtropics (AgriTropics) was developed in cooperation with international agricultural research and development organizations. A program advisory board meets frequently in order to support the program in their focus on educating students for the challenging task in international agriculture and resource conservation. Students of all nationalities acquire analytical skills and multidisciplinary competence, to address current and future problems in agricultural ecosystems.

The M.Sc. Program "Agricultural Sciences in the Tropics and Subtropics" was awarded by the German Academic Exchange Service (DAAD) with the quality label "TOP 10 International Master's Degree Courses Made in Germany" in 2008.

Program Design

The two year M.Sc. program consists of 14 modules (including one with practical science training) (90 credits) and one research semester (30 credits), during which a Master Thesis has to be done. Six of the modules are compulsory (37.5 credits).

	1. Semester	2. Semester	3. Semester	4. Semester
6 Credits	4905-420 (Cadisch) Crop Production Systems	4907-440 (Asch) Interdisciplinary Practical Science Training (7.5 credits)	Elective module (6 credits)	Master Thesis (30 credits)
6 Credits	4906-410 (Graß) Ecology and Agroecosystems	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	4903-460 (Birner) Methods in Interdisciplinary Collaboration	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	4907-410 (Asch) Natural Resource Use and Conservation in the T. + S.	Elective module (7.5 credits)	Elective module (6 credits)	
6 Credits	4908-440 (Chagunda) Livestock Production Systems and Develop.	Elective module (7.5 credits)	Elective module (6 credits)	

In order to allow students to create an individual profile, eight elective modules (at least 52.5 credits) can be chosen from the list of all master modules of the Faculty of Agriculture. Particularly recommended modules are listed

on page 6. With compulsory and elective modules together at least 90 credits have to be reached. Upon application, examination achievements of up to 30 credits can be recognised. The full program has an extent of 120 ECTS. The language of instruction is English and the program can be started in October (winter semester) each year.

Modules

The program follows a modular course structure. A typical semester consists of 30 credits. The modules of the first and third semester last the full length of the semester. The modules of the second semester are offered as blocked courses, each including three weeks of instruction, one week of individual preparation, and an exam at the end of week four.

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

For the complete catalogue of modules offered by the faculty of Agricultural Sciences, refer to uni-hohenheim.de/en/module-catalogue. If the examination board agrees, up to 30 credits can be chosen from courses offered by other master programs at the University of Hohenheim (see: www.uni-hohenheim.de/modulkatalog), or by another German university or by a foreign university. Modules which have already been examined may not be chosen for a second time.

The **compulsory modules** are:

Sem	Code	Name of Module	Duration	Credits	Professor
1	4905-420	Crop Production Systems	1 Semester	6	Cadisch
1	4906-410*	Ecology and Agroecosystems	1 Semester	6	Graß
1	4907-410	Natural Resource Use and Conservation in the Tropics and Subtropics	1 Semester	6	Asch
1	4903-460	Methods in Interdisciplinary Collaboration	1 Semester	6	Birner
1	4908-440	Livestock Production Systems and Development	1 Semester	6	Chagunda
2	4907-440	Interdisciplinary Practical Science Training	SS, Block 1	7,5	Asch

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

The **elective modules** can be chosen from the listing below or from the modules of other Master programs of the faculty of Agricultural Sciences of the University of Hohenheim. On request to the examination board and with the approval of a mentor, modules can be chosen from other 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) <i>(not graded, see in ILIAS)</i>	open	1 – 7.5	Müller, T.
1-2	4907-490	Excursion to the Tropics and Subtropics (every second year: 2020, 2022)	2 sem., partly blocked in Feb/March	6	Asch
2	4905-430	Integrated Agricultural Production Systems	SS, Block 2	7.5	Cadisch
2	4905-470	Biodiversity and Genetic Resources	SS, Block 2	7.5	Rasche
2	4403-550	Post-Harvest Technology of Food and Bio-Based Products	SS, Block 2	7.5	Müller, J.
2	4907-420	Ecophysiology of Crops In the Trop. and Subtrop.	SS, Block 2	7.5	Asch
2	4908-480 4908-430	Animal Breeding for Sustainable Development Livestock Breeding Programs—Planning Procedures and International Case Studies	SS, Block 2	7.5	Chagunda
2	1403-400 1401-530	Global Nutrition and Food Security	SS, Block 3	7.5	Frank
2	3501-480	Breeding of Tropical, Ornamental, and Vegetable Plants ***	SS, Block 3	7.5	N.N.
2	4403-470	Renewable Energy for Rural Areas	SS, Block 3	7.5	Müller, J.
2	4907-430	Crop Production Affecting the Hydrologic. Cycle	SS, Block 3	7.5	Asch
2	4909-420	Quantitative Methods in Animal Nutrition and Vegetation Sciences	SS, Block 3	7.5	Dickhöfer
2	4403-410	Irrigation and Drainage Technology	SS, Block 4	7.5	Müller, J.
2	4908-420	Promotion of Livestock in Tropical Environments	SS, Block 4	7.5	Chagunda
2	4302-450	Gender, Nutrition and Right to Food <i>(every second year: 2020, 2022, 2024, ...)</i>	Block 4, SS	7,5	Lemke
2+3	3301-480	Fertilisation and Soil Fertility Mangement in the Tropics and Subtropics (online)	e-learning	7.5	Müller, T.
3	3402-420	Quantitative Methods in Biosciences	1 Semester	6	Piepho
3	3090-410 3405-410	Organic Farming in the Tropics and Subtropics	1 Semester	6	Zikeli
3	4301-430	Rural Communication and Extension	1 Semester	6	Knierim
3	4301-420	Inter- and Transdisciplinary Research Approaches in Bio-economics	1 Semester	6	Knierim

Sem	Code	Name of Module	Duration	Credits	Professor
3	4301-440	Farm Animal Welfare in Different Societies	1 Semester	6	Knierim
3	4302-420	Ethical Reflection on Food and Agriculture **	1 Semester	6	Bieling
3	4605-430	Microbiological Safety within the Feed and Food Production Chain	1 Semester	6	Hölzle
3	4901-420*	Poverty and Development Strategies (<i>once not offered in WS 19/20</i>)	Second half of semester	6	Zeller
3	4901-470*	Quantitative Methods in Economics**	Second half of semester	6	Zeller
3	4902-430	Food and Nutrition Security	1 Semester	6	Boysen-Urban
3	4903-500	Policy Processes in Agriculture and Natural Resource Management	1 Semester	6	Birner
3	4904-450*	Farm and Project Evaluation	1 Semester	6	Berger
3	4908-410	Genetic Resources and Animal Husbandry Systems	1 Semester	6	Chagunda
3	4908-450	Organic Livestock Farming and Products	1 Semester	6	Chagunda
3	4908-460	Hot Topics and Advanced Methods in Animal Genetics and Breeding	1 Semester	6	Chagunda
3	4909-410	Physiological and Ecological Aspects of Livestock Nutrition in the Tropics	1 Semester	6	Dickhöfer
3	4909-430*	Experimental Aquaculture	In March (Bremerhaven)	6	Focken
4	3101-460 3101-560	Soils of the World - Formation, Classification, and ... (every second year: 2021, 2023, ...)	SS, Block 1	7.5	Herrmann
4	4404-450	Innovations in Agriculture	1 Semester	6	Birner
4	4901-430*	Rural Development Policies and Institutions**	1 Semester	6	Zeller

WS = winter semester, SS = summer semester

* Please register for participation per ILIAS

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

*** See module catalogue for qualifications necessary for attendance

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

Individual Timetable The Course Catalogue of the University of Hohenheim contains information on times, lecturers and lecture rooms of all courses and is available at the beginning of each semester online at the university's homepage: www.uni-hohenheim.de. It is linked to the module descriptions. A tool to compose an individual timetable is available on the Intranet. Please note: especially non-blocked modules often consist of more than one course.

Semester Duration and Lecture Times One semester lasts 14 weeks (winter as well as summer semester). The lectures usually begin 15 minutes after the defined start time indicated in the course catalogue (c.t. = lat.: cum tempore = "with time"). Therefore, a lecture

with a defined start time at 9 c.t. starts at 9:15. If a lecture starts on time at 9:00, there will be an indication 9 s.t. (lat.: sine tempore = „without time“).

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

Modules with Limited Number of Participants Some modules can accept only a limited number of participants due to space constraints or supervision regulations. In this case, it is necessary to register for the module in advance. If there is a limited number of participants, this will be stated under the “comments” (“Anmerkungen”) section of the module description. Please check before lectures start, whether the modules you have chosen have a limited number of participants or not. (uni-hohenheim.de/en/module-catalogue). Each module with a limited number of participants is set up as a course on the e-learning platform ILIAS (<https://ilias.uni-hohenheim.de/>). You have to register there and see 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 note: this ILIAS registration is only for participation and NOT a registration for the examination!

Marks and Grades

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

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

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

Registering for Examinations

Students have to register for the examinations of each semester at the examination office per *HohCampus* during the time period announced at the examination office. When you have to register for an examination depends on whether it is a blocked or a non-blocked module. Withdrawal from each module's examination is possible until 7 days before the examination date. 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/examination>.

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.

The claim for examination expires if:

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

The claim for examinations does not expire if the candidate cannot be held responsible for the failure to comply with the deadline. The students are responsible for complying with these examination deadlines as well as all other regulations given in the examination regulations. The examination regulations are distributed by the examination office.

Please mind that plagiarism, that means the take-over of text or phrases in a written examination (even within a partial performance) without quoting them accordingly, will be marked as attempt of deception and the respective examination performance is to be graded "fail" (F; mark 5.0). A declaration (<https://agrar.uni-hohenheim.de/en/plagiats>) has to be attached to homeworks, presentations, and to the thesis. The final digital text document has to be transferred to the mentoring supervisor.

Exam Repetition

In case of failure the examination office will inform the student via mail. Students are responsible themselves to check with the responsible professor or the examination office about dates for repeater exams and registration deadlines. Usually repeater exams for blocked modules will be scheduled by the responsible professor within the same semester. Repeater exams in lectures will usually automatically be scheduled for the next examination period.

Master Thesis

The master thesis shall show that the candidate is able to work independently on a problem in the field of "Agricultural Sciences in the Tropics and Subtropics" within a fixed period of time by applying scientific methods. The exam consists of a written (thesis) and an oral (defense) part. After marking the candidate has to defend the essential arguments, results and methods of the thesis in a colloquium of 30-45 minutes. The written part of the master thesis has to be completed within a period of six months. It is usually written during the fourth semester. Depending on the chosen modules there might be cases where the third semester is more appropriate. Thesis work includes a literature review, new and original data derived from fieldwork, a period of writing-up and, finally, a presentation. This work can be carried out either at Hohenheim University or at one of the various partner universities.

There are several possibilities for finding the right reviewer and the right topic. Sometimes you can find them from the homepage of the department or institute, or you can talk directly to a professor.

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

Evaluation of Modules	The quality of courses and modules is evaluated every year by the students of all study programs. The evaluation sheets are distributed and evaluated by the Faculty of Agricultural Sciences and the results are sent back to the lecturers in an anonymous format. The lecturers are asked to discuss the results with the students at the end of their courses.
Academic calendar	In the winter semester (WS) courses usually begin in week 42 and end in week 6 or 7 of the new year. In the summer semester (SS) courses usually begin the first Monday in April and end in week 30, 31, or 32. For unblocked modules the lecture period of each semester is followed by an examination period of three weeks. The last block period of each semester has an overlapping with this examination period of the unblocked modules.
Teaching Staff	Most modules are organized and taught by professors of the University of Hohenheim, who have broad experience in international research. Students also benefit from Hohenheim's network with academic partners worldwide. Guest speakers from partner universities as well as research, development and policy institutions cover additional topics, and thus enrich the curriculum with special fields of expertise.
Mentoring	<p>A personal mentor from the teaching staff is assigned to advise on appropriate profiles and support smooth and goal-oriented progress. The form on page 17 serves as a basis for a counseling interview. Fill in name, code, and credits of all modules and specify for each module if it is a compulsory (C), semi-elective (S), elective (E) or an additional (A) module for you. It is strongly recommended NOT to mix blocked and unblocked modules within one semester.</p> <p>Mentors are:</p> <ul style="list-style-type: none"> • Prof. Dr. Folkard Asch, Management of Crop Water Stress in the Tropics and Subtropics (490) • Prof. Dr. Thomas Berger, Land Use Economics in the Tropics and Subtropics (490) • Prof. Dr. Regina Birner, Department of Agricultural Economics and Social Sciences in the Tropics and Subtropics (490) • Prof. Dr. Georg Cadisch, Agronomy in the Tropics and Subtropics (490) • Prof. Dr. Joachim Müller, J., Agricultural Engineering in the Tropics and Subtropics (440) • Prof. Dr. Uta Dickhöfer, Animal Production in the Tropics and Subtropics (490) • Prof. Dr. Graß, Agroecology in the Tropics and Subtropics (490) • Prof. Dr. Chagunda, Animal Breeding and Husbandry in the Tropics and Subtropics (490)/Dr. Reiber, C_Reiber@uni-hohenheim.de • Prof. Dr. Manfred Zeller, Rural Development Economics and Policy (490)
Study Abroad	Our credit point system is intended to facilitate the mutual acceptance of courses attended at different universities. Assessment is based on the European Credit Transfer System (ECTS), which facilitates such kind of international mobility.
Degree	After successful completion of all modules as well as the thesis, the student is awarded the degree "Master of Science" (M.Sc.). This degree entitles the student to continuing with a Ph.D./doctoral program if the total grade is above average.
Responsible Scientist	Prof. Dr. Folkard Asch Management of Crop Water Stress in the Tropics and Subtropics

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Geblockte Module der Fakultät Agrarwissenschaften für das Wintersemester 2019/20

05.08.2019

Blocked Modules in Winter Semester 2019/20

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

Blockperiode / Period	Block 1 (7.5 credits!)	Block 2 (7.5 credits!)	Block 3 (7.5 credits!)	Block 4 (7.5 credits!)	März-Block/ March Block
Studiengang / Study Course	14.10. - 08.11.2019	11.11. - 06.12.2019	09.12.19 – 20.12.19/ 07.01. – 17.01.2020	20.01. - 14.02.2020	i.d.R 24.02.- 18.03.2020
B.Sc. Agrarwissenschaften					○ 4606-220 (Weiler) Nutztier-systemmanagement – Schwein (6 credits)
M.Sc. Agrarwissenschaften Pflanzen- und Tierwissensch.					○ 4611-420 (Kube) Das bakt. Genom, exemplarisch von der Kultur zur funktion. Analyse
M.Sc. Agrarwissenschaften Tierwissenschaften					◐ 4601-480 (Rodehutschord) Futtermitteltechnologie und -analytik
M.Sc. Agrarwissenschaften Bodenwissenschaften					◐ 3102-450 (Kandeler) Molecular Soil Ecology (6 credits)
M.Sc. EnviroFood					◐ 3003-410 (Schöne) Food Safety and Quality Chains 25.2. – 8.3.19 (6 credits)
M.Sc. Landscape Ecology	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (N.N.) Plant Ecology	○ 3201-420 (Schurr) Methods in Landscape and Plant Ecology (7.5 credits!)
M.Sc. EnvEuro Ecosystems and Biodiversity (package 2)	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (N.N.) 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 (Kruse, M.) Portfolio Module (Master)	○ 2601-410 (Schaller) Pflanze-Pathogen Interaktionen (5 Plätze für CS)	○ 2602-500 (Schulze) Regulatorische Prinzipien pflanzlicher Signaltransduktionswege (5 Plätze für CS)	○ 2203-410 (Steidle) Chemische Signale bei Tieren (3 Plätze für CS)	○ 3103-410 (Priesack) Plant and Crop Modeling (6 credits)
Sonstige M.Sc./Other M.Sc.					○ 1301-410 (Fox) Spring School "Extreme Environments" (7.5 credits!)
					○ 4909-430 (Focken) Experimental Aquaculture (at Bremerhaven) (6 credits)
					○ 4907-490 (Asch) Excursion to the Tropics and Subtropics
					◐ 4303-470 (Lemke) Gender, Nutrition, and Right to Food (6 credits!) (next time in SS 2020)

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

Geblockte Module der Fakultät Agrarwissenschaften für das Sommersemester 2020

Blocked Modules in Summer Semester 2020

15.08.2019

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

Blockperiode / Period	Block 1 (7,5 credits)	Block 2 (7,5 credits)	Block 3 (7,5 credits)	Block 4 (7,5 credits)	By arrangement (7,5 credits)
	06.04. - 30.04.2020	04.05. - 29.05.2020	08.06. - 03.07.2020	06.07. - 31.07.2020	
Studiengang / Study Course					
M.Sc. Agrarwissenschaften Bodenwissenschaften	◐ 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	◐ 3101-570 (Herrmann) Boden- und veg.kundl. Geländeübung / Field Course Soils + Vegetation	● 3101-430 (Herrmann) Integrier- tes bodenwissenschaftliches. Projekt für Fortgeschrittene	◐ 3102-420 (Kandeler) Bodenwissenschaftliches Expe- riment/Project in Soil Sciences (Engl.+ Ger.)
	2019, 2021: ◐ 3101-460 Herrmann) Soils of the World - Formation, Clas- sification, and ..	2020, 2022: ◐ 3101-580 (Rennert) Bo- denschutz, Bo- denbewertung, - sanierung	◐ 3201-620 (Schmieder) Vege- tation and Soils of Centr. Europe		○ 3101-420 (Herrmann) Interna- tionale standortkundliche Gelän- deübung / International Field Course Site Evaluation (Engl.+Ger.) (September 2020, 2022, 2024, ..)
M.Sc. Agrarwissenschaften	○ 3602-410 (Gerhards) Integrierter Pflanzenschutz mit Übungen	○ 4605-500 (Beyer) Biologische Sicherheit und Gen- technikrecht	◐ 7301-410 (Rosenkranz) Bienen	○ 4604-420 (Steffli) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
		○ 7301-400 (Rosenkranz) Sozi- ale Insekten (10 Plätze f. Fak. A)			
Tierwissenschaften: Profil Ernährung und Futtermittel	◐ 4603-420 (Seifert) Futtermit- telmikrobiologie	◐ 4601-470 (Rodehutschord) Tra- cerbasierte Methoden i.d. Tierer- nährung		◐ 4601-450 (Rodehutschord.) Spezielle Ernährung der Wieder- käufer	
Tierwissenschaften: Profil Genomik und Züchtung		◐ 4607-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften (nicht SS 2020)	◐ 4608-420 (Hasselmann) Molekulare Evolution und Popu- lationsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◐ 4606-490 (Stefanski) Verhaltensbiologie	◐ 4606-420 (Stefanski) Immunologie und Infektionsbio- logie	◐ 4604-410 (Huber) Leistungsas- soziierte Stoffwechselstörungen bei landw. Nutztieren	◐ 4605-490 (Hölzle) Spezielle Tierhygiene	
M.Sc. AgriTropics	● 4907-440 (Asch) Interdiscipl. Practical Science Training	○ 4905-470 (Rasche) Biodiversity and Genetic Re- sources	○ 4909-420 (Dickhöfer) Quanti- tative Meth. in Animal Nutrition + Vegetation Sciences		
Livestock		○ 4908-480 (Chagunda) Animal Breeding for Sustainable Devel- opment		○ 4908-420 (Chagunda) Promo- tion of Livestock in Trop. Envi- ronments	
Crops		○ 4905-430 (Cadisch) Integrated Agricultural Production Systems	○ 4907-430 (Asch) Crop Production Affecting the Hy- drological Cycle		
		○ 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 Ar- eas	○ 4403-410 (Müller, J.) Irrigation and Drainage Technology	

Social Sciences				○ 4302-450 (Lemke) Gender, Nutrition, and Right to Food	
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			
		○ 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			
M.Sc. EnviroFood	● 3103-450 (Streck) Spatial Data Analysis with GIS	☛ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms		○ 4302-450 (Lemke) Gender, Nutrition, and Right to Food (2020, 2022, 2024, ...)	
		☛ 4905-470 (Rasche) Biodiversity and Genetic Resources			
		☛ 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	
M.Sc. EnvEuro Environmental 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	○ 3201-600 (Schurr) Intensive Course Landscape Ecology	☛ 3301-480 (Müller, T.) Fertilisation and Soil Fertility Management in the T. and S.
		☛ 4905-470 (Rasche) Biodiversity and Genetic Resources	☛ 4302-470 (Bieling) Landscape Change, Resilience, and Ecosystem Services	☛ 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Soil Resources and Land Use	● 3103-450 (Streck) Spatial Data Analysis with GIS	☛ 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	○ 4907-430 (Asch) Crop Production Affecting the Hydrological Cycle		☛ 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	● 3201-590 (Schurr) Combining Ecological Models and Data	☛ 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	☛ 3101-570 (Herrmann) Field Course Soils and Vegetation	○ 2202-400 (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molec. Interactions a. Evolution (8 Pl. UHOH)	○ 3101-420 (Herrmann) International Field Course Site Evaluation (Engl.+Ger.) (September 2020, 2022, 2024, ,,)
		☛ 4905-470 (Rasche) Biodiversity and Genetic Resources	☛ 4302-470 (Bieling) Landscape Change, Resilience, and Ecosystem Services	☛ 3201-600 (Schurr) Intensive Course Landscape Ecology	
M.Sc. Landscape Ecology	☛ 3201-590 (Schurr) Combining Ecological Modells and Data	☛ 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	☛ 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3201-600 (Schurr) Intensive Course Landscape Ecology	○ 3101-420 (Herrmann) Internationale standortkundliche Geländeübung / International Field Course Site Evaluation (Engl.+Ger.) (September 2020, 2022, 2024, ,,, ...)
			☛ 4907-430 (Asch) Crop Production Affecting ...		
		☛ 3103-450 (Streck) Spatial Data Analysis with GIS		☛ 4403-470 (Müller, J.) Renewable Energy for Rural Areas	
	☛ 3101-460 (Herrmann) Soils of the World - Formation, Classification, and ... (2019, 2021)	☛ 4905-470 (Rasche) Biodiversity and Genetic Resources	☛ 4302-470 (Bieling) Landscape Change, Resilience, and Ecosystem Services		

Anmeldemodalitäten für Teilnahme siehe Modulkatalog / 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. Plant nutrition & protection	English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
			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		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Impacts		-	-	Whole Semester	Master's-Thesis
	Environmental Management	English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Climate Change		-	-	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

MSc-Studien- und Prüfungsplan

MSc Study and Examination Plan

Name: _____

Studiengang / Study Program: _____

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

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

Module code

Each module and each course is designated by a specific code. The first four digits represent the respective institute and the department or study field (i.e. of the responsible person / course instructor). The next three digits correlate to the type of module and the term, as well as the courses.

11 00-00 0 = institute number (31 – 49 in the Faculty of Agriculture)

00 **01**-00 0 = department within the institute (01 - 99 possible)

00 00-**01** 0 = module designation:

-**01** 0 - **20** 0 basic modules for Bachelor's students

-**21** 0 - **40** 0 specialization study modules for Bachelor's students

-**41** 0 - **80** 0 modules for Master's students

-**81** 0 - **90** 0 modules for PhD students

0000-01 **1** = course 1 of a module (1 - 9 courses possible)

Lecture Periods

WS 19/20	First day of <u>un</u>-blocked modules:	(42. KW) Monday, 14.10.2019
	First day of blocked modules:	(42. KW) Monday, 14.10.2019
	Last day of <u>un</u>-blocked modules:	(5. KW) Saturday, 01.02.2020
	Last day of blocked modules:	(7. KW) Friday, 14.02.2020
SS 20	First day of blocked modules:	(15. KW) Monday, 06.04.2020
	First day of <u>un</u>-blocked modules:	(15. KW) Monday, 06.04.2020
	Last day of <u>un</u>-blocked modules:	(29. KW) Saturday, 18.07.2020
	Last day of blocked modules:	(31. KW) Friday, 31.07.2020

Free of lectures: All Saints' Day: Fri, 01. Nov. 2019, Christmas holidays: Mo, 23. Dec. 2019 – Mo 06. Jan 2020, Easter: Fri, 10. Apr. – Mon, 13. Apr. 2020, International Labour Day: Fri, 01. May 2020, Ascension: Thurs, 21. May 2020, Pentecost: Tues, 02. June 2020 – Sat, 6 June 2020 (excursions might take place during that week!), Corpus Christi: Thurs, 11. June 2020.

Examination periods in winter semester 2019/20

B.Sc. and M.Sc. period 1: calendar week 6 to 8
B.Sc. and M.Sc.: period 2: calendar week 13 to 14
Deadline for the registration for exams: is fixed by the examination office

Examination periods in summer semester 2020

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

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/examination>).