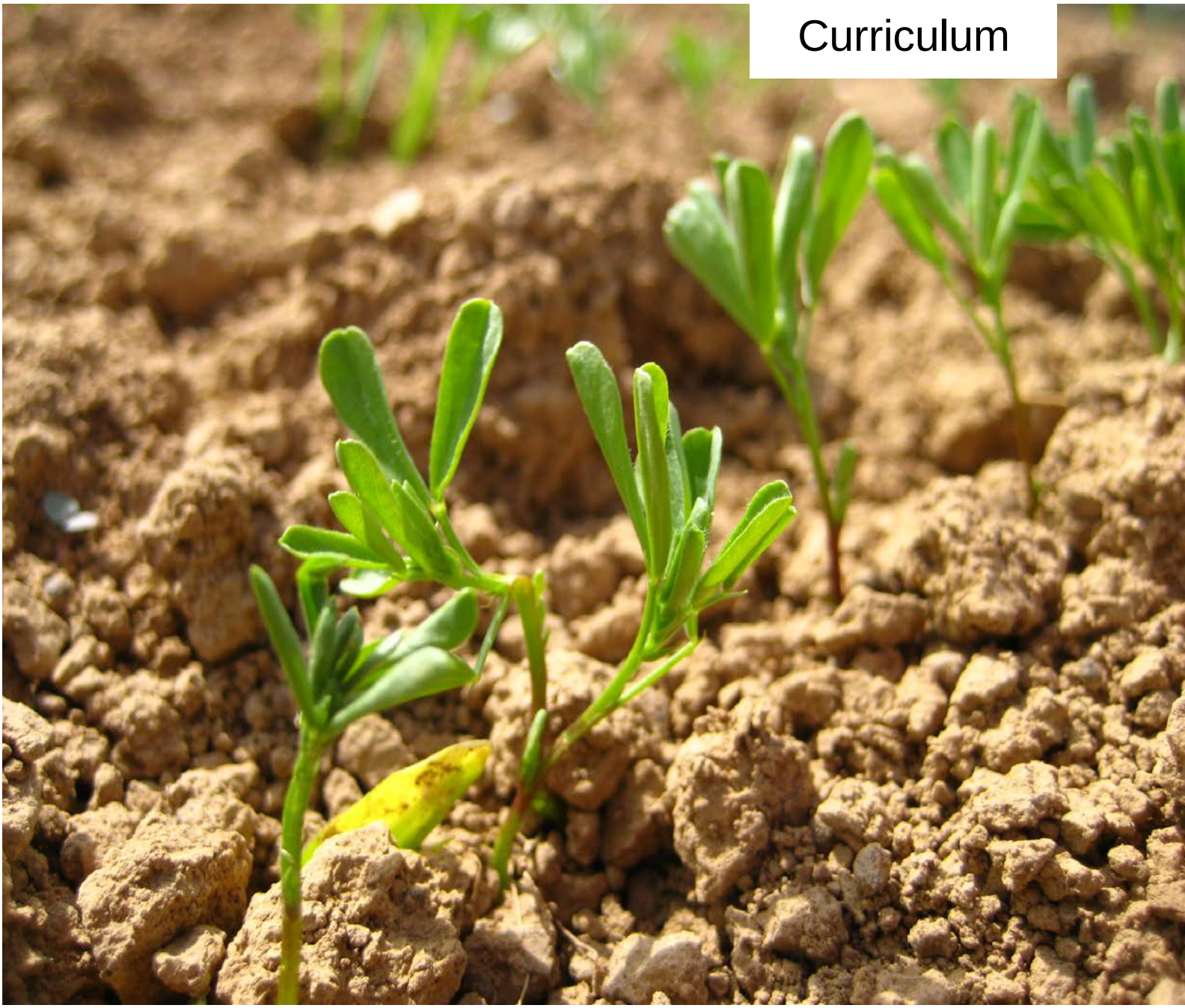
UNIVERSITÄT HOHENHEIM

FAKULTÄT AGRARWISSENSCHAFTEN

Organic Agriculture and Food Systems

Master of Science



Curriculum

March 2015

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Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with comprehensive information about the M.Sc. programme „Organic Agriculture and Food Systems“. It contains information on the programme structure, summarises the most important exam regulations (issued the 15th of May 2014).

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 programme (organicfood@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 Programme Organic Agriculture and Food Systems *(EUROrganic)*

Programme Objectives and Conditions

Consumers are increasingly interested in the quality of their food and the manner in which it is produced. For this reason, more and more food is produced and processed according to the standards of organic farming. These standards ensure high product quality, sound use of natural and human resources, the maintenance of biodiversity, and the implementation of sustainable production systems without synthetic pesticides and fertilizers.

Organic farming is based on a holistic approach. The processing and marketing of organically grown food requires special skills and knowledge. As the market for organic products is a growing sector on a world wide scale, there is need for experts to provide knowledge on organic food chain management which would include primary food production, food technology and quality control. To meet these demands, the University of Hohenheim has developed the M.Sc. Programme "Organic Agriculture and Food Systems". This programme will prepare people of all nationalities for these challenging tasks and offer them a competitive, state-of-the-art training.

Hohenheim is the first university in Europe offering a Master Programme with an emphasis on the management of food systems in the organic sector.

The University of Hohenheim (UHOH) fosters contacts and partnerships with more than 50 universities worldwide as well as many renowned national and international institutions and companies. Students enrolled at Hohenheim are encouraged to take full advantage of this existing network in respect of their studies that opens doors to future opportunities.

Programme Design

To tackle problems in quality control and processing, knowledge of all aspects of the organic food chain is necessary. Therefore, the M.Sc. programme follows a general approach including primary production as well as processing and marketing. Modern teaching methods such as discussion sessions, research seminars, case studies and excursions to organic farms and processing firms are an integral part of the curriculum. The problem-based interdisciplinary 'Project in Organic Agriculture and Food Systems' constitutes a major focus of the course.

The two-year M.Sc. programme "Organic Agriculture and Food Systems" comprises four semesters, during which thematic modules and the Master Thesis have to be completed. Grades are based on the European Credit Transfer System (ECTS), which facilitates this kind of international mobility. The language of instruction is English. Students can decide to study the programme as a Double or Single Degree Programme. The programme starts in September (Double Degree) or October (Single Degree) of each year. The maximum number of students admitted to the course is 30.

Double Degree

The Double Degree M.Sc. programme EUR-Organic offers a comprehensive and integrative education in all areas of organic farming, as well as the processing and commercialisation of organic food. The core of EUR-Organic is comprised of areas of specialization that enable the students to profit from the different foci of organic agriculture teaching and research of the partner universities.

None of the partner universities alone can offer such a wide range of elective and compulsory modules on organic agriculture and food systems. Together the partners create an added value for the students in teaching and research, e.g. in the wide range of topics for the master theses. Students are challenged by different thematic approaches throughout the course of their studies: while the Universität Hohenheim (UHOH) focuses primarily on the Food Chain, the University of Natural Resources and Life Sciences, Vienna, Austria, (BOKU) emphasises the systematic approach of organic farming. At Aarhus University (AU), Denmark, students can fo-

cus on either animal health and welfare or plant nutrition and health. Warsaw University of Life Sciences (WULS), Poland, offers a specialised study profile on "Organic Food Processing and Marketing" from the outset. Details of the specialisations at alle these universities are describd at: http://www.eur-organic.eu/specialisations .

In order to benefit from this complementary expertise and to get most of the programme it is required that students spend one year at their chosen **home** university and one year at their chosen **host** university.

Single Degree

Students who intend to study the entire programme in Hohenheim will receive a Single Degree. Their first compulsory module will be different (see "modules" below).

During the first year at Hohenheim the compulsory modules cover all aspects of Organic Agriculture and Food Systems from plant and animal production to food processing and socio-economic and socio-cultural aspects. One elective module can be chosen from the list of all master modules of the Faculty of Agriculture.

In the third and fourth semester, students choose additional five modules at Hohenheim and work on their thesis. It is expected that a thesis will pursue empirical or theoretical questions relating to ongoing research projects. However, suggestions and ideas from students in this matter are actively encouraged. It is also possible to carry out the Master Thesis at one of the various partner universities or research institutions abroad.

	1. Semester (at UHOH)	**2. Semester** (at UHOH)	**3. Semester** (UHOH, BOKU, AU, or WULS)	**4. Semester** (UHOH, BOKU, AU, or WULS)
6 Credits	**3405-470** (Zikeli) Organic Food Systems and Concepts OR **3405-500** (Freyer, BOKU) Principles of Organic Food Systems	**3405-460** (Zikeli) Processing and Quality of Organic Food	Elective module	**Master Thesis** (30 credits)
6 Credits	**4201-440** (Grethe) Economics and Environmental Policy	**4202-460** (Becker, T.) Markets and Marketing of Quality Food	Elective module	
6 Credits	**4303-440** (Lemke) Social Conditions of Organic and Sustainable Agriculture	**3401-460** (Claupein) Organic Plant Production	Elective module	
6 Credits	**4801-480** (Valle Zárate) Organic Livestock Farming and Products	Elective module	Elective module	
6 Credits	**3405-490** (Zikeli) Project in Organic Agriculture and Food Systems *(12 credits)*		Elective module	

Modules

Each semester consists of 30 credits. At the University of Hohenheim all modules of the programme last the full length of the semester. Some elective modules 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).

The module titles and identification numbers are listed below. For details about contents, lecturers and methods of instruction refer to the module description site (www.uni-hohenheim.de/modulkatalog).

Tthe first **compulsory module** is one of these two modules:

Sem	Code	Name of Module	Duration	Credits	Professor
1	3405-470	Organic Food Systems and Concepts *(single degree)*	1 Semester	6	Zikeli
1	3405-500	Principles of Organic Food Systems *(double degree)*	1 Semester	6	Freyer (BOKU)

The other seven **compulsory modules** are:

Sem	Code	Name of Module	Duration	Credits	Professor
1	4201-440	Economics and Environmental Policy	1 Semester	6	Grethe
1	4303-440	Social Conditions of Organic and Sustainable Agriculture	1 Semester	6	Lemke
1	4801-480	Organic Livestock Farming and Products	1 Semester	6	Valle Zárate
1+2	3405-490	Project in Organic Agriculture and Food Systems	2 Semester	12	Zikeli
2	3405-460	Processing and Quality of Organic Food	1 Semester	6	Zikeli
2	4202-460	Markets and Marketing of Quality Food	1 Semester	6	Becker, T.
2	3401-460	Organic Plant Production	1 Semester	6	Claupein

A maximum of three compulsory modules may be replaced with the corresponding number of electives if knowledge corresponding to content and scope of the modules to be replaced can be proved in the previous study programme which forms the admission requirement for the study programme Organic Agriculture and Food Systems. Permission shall be granted by the examination committee upon application by the student and upon recommendation from the mentor.

At Hohenheim the six **elective modules** can be chosen from the complete catalogue of the university's master courses, including more than 30 disciplinary and interdisciplinary subjects. Appropriate examples are:

Suggestions for **elective modules**:

Sem	Code	Name of Module	Duration	Credits	Professor
1-4	3000-410	Portfolio-Module (Master)	Not defined	1 - 7,5	Müller, T.
2	3405-450	Problems and Perspectives of Organic Farming	1 Semester	6	Zikeli

Sem	Code	Name of Module	Duration	Credits	Professor
2	3603-420	Crop Protection in Organic Farming	1 Semester	6	Zebitz
2	3603-490	Biological Pest Control	1 Semester	6	Zebitz
2	3603-500	Exercises in Biological Pest Control	Summer School	7,5	Zebitz
2	4902-420	International Food and Agricultural Trade	1 Semester	6	Brockmeier
2	4903-470	Qualitative Research Methods in Rural Development Studies	1 Semester	6	Birner
3	3003-410	Food Safety and Quality Chains	In March	6	Schöne
3	3301-440	Soil Fertility and Fertilisation in Organic Farming	1 Semester	6	Müller, T.
3	3402-420	Quantitative Methods in Biosciences	1 Semester	6	Piepho
3	3405-410	Organic Farming in the Tropics and Subtropics	1 Semester	6	Zikeli
3	3802-410*	Ecology and Agroecosystems	1 Semester	6	Sauerborn
3	4301-410	Knowledge and Innovation Management	1 Semester	6	Knierim
3	4301-420	Inter- and Transdisciplinary Research Approaches in Bioeconomics	1 Semester	6	Knierim
3	4303-490	Ethics of Food and Nutrition Security *(not in WS 14/15!)*	1 Semester	6	Lemke
3	4901-470*	Quantitative Methods in Economics	Second half of semester	6	Zeller
3	4903-500	Policy Processes in Agriculture and Natural Resource Management	1 Semester	6	Birner
3	1503-410	Food Technology and Residues	1 Semester	6	Hausmann

* Limited number of participants. Please register at the beginning of the semester as described in the module catalogue.

For the complete catalogue, refer to www.uni-hohenheim.de/modulkatalog.

With the approval of the examination board, study and examinations of up to five of these elective modules/30 ECTS credits can be chosen from other German institutions of higher learning and international universities.

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

	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

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

Study and Examination Plan

Students have to seek advice of one of the mentors of the programme on which elective modules are suitable for their individual profile. During the first three month of study a counseling 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 will be registered by signature automatically for the compulsory modules offered in the first and second semester. The registration for elective modules will take place at the end of the first semester through filling in an official form. Withdrawal 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:

- a minimum of six modules has not been passed by the end of the second semester at the latest
- an examination of one of the modules has not been passed by the end of the sixth 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 ex-

amination regulations and a leaflet on registration are distributed by the examination office (https://www.uni-hohenheim.de/pruefung.html?&L=1).

Please mind that plagiarism, that means the take-over of text or phrases in a written examination (even within a partial performance) without quoting them accordingly, will be marked as attempt of deception and the respective examination performance is to be graded "fail" (F; mark 4.0). A declaration (https://agrar.uni-hohenheim.de/plagiate.html?&L=1) has to be attached to homeworks, presentations, and to the thesis. The final digital text document has to be transferred to the mentoring supervisor.

Exam Repetition

In case of failure the examination office will inform the student via mail. Normally, the letter includes the repetition date. In some cases the date for repetition has not been pointed out at the time of informing the students. Students are responsible themselves to check with the responsible professor or the examination office about dates for repeater exams. Usually repeater exams for blocked modules will be scheduled by the responsible professor within the same semester. Repeater exams in lectures will usually automatically be scheduled for the next examination period.

Master Thesis

The Master Thesis shall show that the candidate is able to work independently on a problem in the field of "Organic Agriculture and Food Systems " within a fixed period of time by applying scientific methods. The exam consists of a written (thesis) and an oral (defence) 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. There might be cases, depending on the chosen modules, for which 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 University of Hohenheim or at one of the partner universities.

Quality Assurance

The quality of courses and modules is evaluated in a two year rotation by the students of all study programmes. 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.

Teaching Staff

Most modules are organised and taught by professors of the University of Hohenheim, who have broad experience in international research. Students also benefit from Hohenheim's active links with academic partners worldwide. Guest speakers from partner universities as well as from research, development and policy institutions cover additional topics thus enriching the curriculum with special fields of expertise.

Mentoring

A personal mentor from the teaching staff is assigned to advice on appropriate profiles and support smooth and goal-oriented study progress. The study and examination plan has to be signed by a mentor before it is handed in to the examination office. Mentors are:

- Dr. Zikeli (Prof. Claupein), sabine.zikeli@uni-hohenheim.de
- Dr. Gruber (Prof. Claupein), grubersf@uni-hohenheim.de
- Prof. Lippert, Christian.Lippert@uni-hohenheim.de
- Prof. Müller, T., Torsten.Mueller@uni-hohenheim.de
- Dr. Reiber (Prof. Valle Zárate), C_Reiber@uni-hohenheim.de

Partner Universities

Due to the possibility to obtain a double degree in cooperation with BOKU, WULS, or AU, double degree students have to study abroad in the third and fourth semester at one of these partner universities.

Single degree students may also request to spend the semester at universities within the UHOH's network of partner universities, especially within the other ELLS partners (LIFE, University of Kopenhagen, Swedish Uni-

versity of Agricultural Sciences (SLU), Sweden; Wageningen University, Netherlands; Czech University of Agriculture (CUA), Czech Republic or other universities world wide.

Modules offered for - incoming students

The modules offered for incoming students for which Hohenheim is the host university are listed below.

The modules of the profiles are suggestions. All modules of the Faculty of Agricultural Sciences are available at https://www.uni-hohenheim.de/modulkatalog.html?&L=1).

Profile: Socioeconomics and Organic Agriculture *(winter term)*

Sem	Code	Modules	Duration	Credits	Professor
3	3301-440	Soil Fertility and Fertilisation in Organic Farming	1 Semester	6	Müller, T.
3	3405-410	Organic Farming in the Tropics and Subtropics	1 Semester	6	Zikeli
3	4201-440	Economics and Environmental Policy	1 Semester	6	Grethe
3	4301-410	Knowledge and Innovation Management	1 Semester	6	Knierim
3	4303-440	Social Conditions of Organic and Sustainable Agriculture	1 Semester	6	Lemke
3	4903-450	Innovations in Agriculture	1 Semester	6	Birner

Profile: Organic Farming in the Trop. and Subtrop. *(winter term)*

Sem	Code	Modules	Duration	Credits	Professor
3	3301-440	Soil Fertility and Fertilisation in Organic Farming	1 Semester	6	Müller, T.
3	3301-480	Fertilisation and Soil Fertility Mangement in the Tropics and Subtropics	1 semester e-learning	6	Müller, T.
3	3405-410	Organic Farming in the Tropics and Subtropics	1 Semester	6	Zikeli
3	3801-420	Crop Production Systems	1 Semester	6	Cadisch
3	3802-410*	Ecology and Agroecosystems	1 Semester	6	Rasche
3	4301-410	Knowledge and Innovation Management	1 Semester	6	Knierim
3	4801-450	Livestock Production Systems and Development	1 Semester	6	Valle-Zárate
3	4303-440	Social Conditions of Organic and Sustainable Agriculture	1 Semester	6	Lemke
3	4802-440	Physiological and Ecological Aspects of Livestock Nutrition in the Tropics	1 Semester	6	Dickhöfer

** Please register for participation as described in the module descriptions.*

Profile: Organic Crop Production *(winter term)*

Sem	Code	Modules	Duration	Credits	Professor
3	3301-440	Soil Fertility and Fertilisation in Organic Farming	1 Semester	6	Müller, T.
3	3301-480	Fertilisation and Soil Fertility Mangement in the Tropics and Subtropics	1 semester e-learning	6	Müller, T.
3	3302-460	Plant Quality	1 Semester	6	Ludewig
3	3402-420	Quantitative Methods in Biosciences	1 Semester	6	Piepho
3	3504-440	Seed Technology	1 Semester	6	Kruse
3	3603-480	Entomology	1 Semester	6	Zebitz
3	3802-410*	Ecology and Agroecosystems	1 Semester	6	Rasche

** Please register for participation as described in the module descriptions.*

Profile: Socioeconomics and Organic Agriculture *(summer term)*

Sem	Code	Modules	Duration	Credits	Professor
2	4101-410	Environmental and Resource Economics	1 Semester	6	Lippert
2	4201-410	Agricultural and Food Policy	1 Semester	6	Grethe
2	4202-460	Markets and Marketing of Quality Food	1 Semester	6	Becker, T.
2	4903-470	Qualitative Research Methods in Rural Development Studies	1 Semester	6	Birner
2	4903-510	Agriculture and Food Security in Crisis-Affected Regions	1 Semester	6	Birner

Profile: Organic Farming in the Trop. and Subtrop. *(summer term)*

Sem	Code	Modules	Duration	Credits	Professor
2	3801-430	Integrated Agricultural Production Systems	SS, Block 2	7.5	Cadisch
2	3802-420	Biodiversity, Plant and Animal Gen. Resources	SS, Block 2	7.5	Rasche
2	4403-550	Post-Harvest Technology of Food and Bio-Based Products	SS, Block 2	7.5	Müller, J.
2	4403-470	Renewable Energy for Rural Areas	SS, Block 3	7.5	Müller, J.
2	4802-450	Quantitative Methods in Animal Nutrition and Vegetation Sciences	SS, Block 3	7.5	Dickhöfer
2	3803-430	Ecophysiology of Crops In the Trop. and Subtrop.	SS, Block 4	7.5	Asch
2	4801-420	Promotion of Livestock in Tropical Environments	SS, Block 4	7.5	Valle Zárate

Profile: Organic Crop Production *(summer term)*

Sem	Code	Modules	Duration	Credits	Professor
2	3401-460	Organic Plant Production	1 Semester	6	Claupein
2	3501-450	Breeding Methodology	1 Semester	6	Melchinger
2	3603-490	Biological Pest Control	1 Semester	6	Zebitz
2	3603-500	Exercises in Biological Pest Control	Summer school	7,5	Zebitz
2	3603-420	Crop Protection in Organic Farming	1 Semester	6	Zebitz

Degree

After successful completion of all modules as well as the thesis, the student is awarded the degree "Master of Science" (M.Sc.) in Organic Agriculture and Food Systems either as a single or as a double degree. This degree entitles the student to continue with a Ph.D./doctoral programme if the total grade is above average.

Responsible Scientists

Prof. Dr. Torsten Müller,
Department Fertilisation with Soil Chemistry
Dr. Sabine Zikeli,
Coordinator for Organic Farming and Consumer Protection at the University of Hohenheim

Contact

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Geblockte Module der Fakultät Agrarwissenschaften für das Sommersemester 2015 issued: 11.03.2015
Blocked Modules Summer Semester 2015

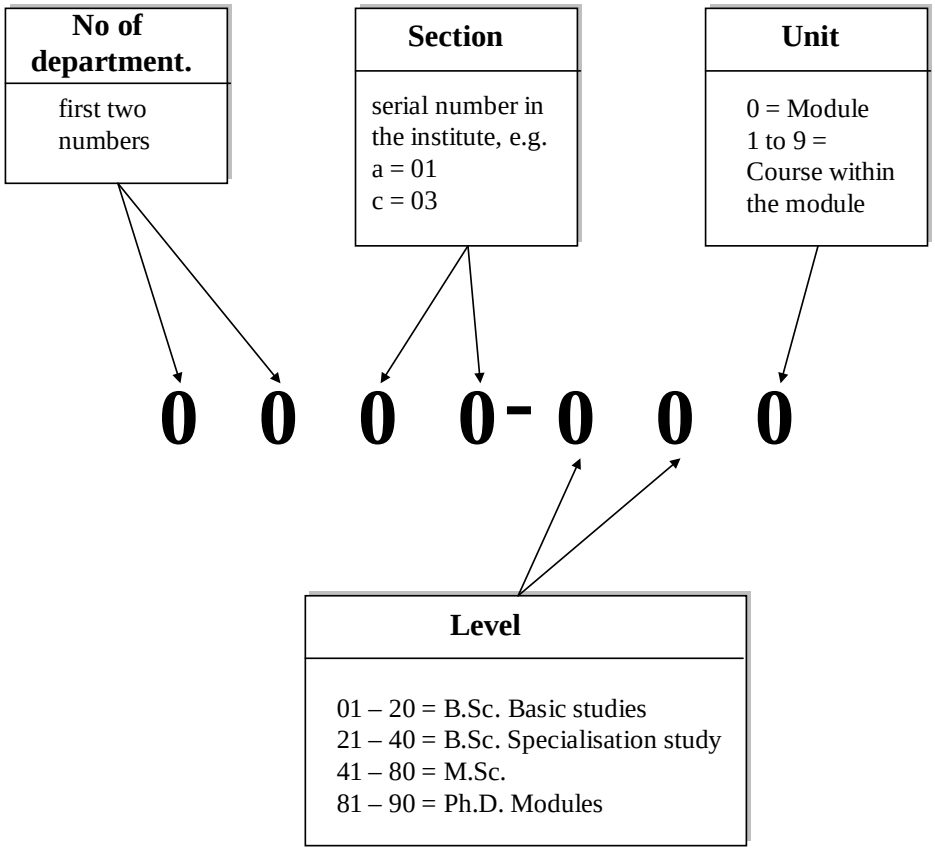
● = Pflicht/Compulsory ◖ = Wahlpflicht/Semi-elective ○ = Wahl/Elective

Blockperiode / Period Studiengang / Study Course	**Block 1** *(7,5 credits)* **13.04. - 08.05.2015**	**Block 2** *(7,5 credits)* **11. - 22.05. / 01. - 12.06.2015**	**Block 3** *(7,5 credits)* **15.06. - 10.07.2015**	**Block 4** *(7,5 credits)* **13.07. - 07.08.2015**	**By arrangement** *(7,5 credits)*
M.Sc. Agrarwissenschaften Bodenwissenschaften	◖ **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3102-440** (Kandeler) Environmental Pollution and Soil Organisms	◖ **3101-580** (Rennert) Bodenschutz, Bodenbewertung, -sanierung	● **3101-430** (Rennert) Integr. bodenw. Projekt f. Fortgeschr. / Interdiscipl. Advanced Soil Science Project (Engl.+ Ger.)	◖ **3102-420** (Kandeler) Bodenwissenschaftliches Experiment/Project in Soil Sciences (Engl.+ Ger.)
	◖ **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			○ **3101-450** (Stahr) Große pedologische Geländeübung / Major Pedological Field Trip (Engl.+ Ger.) (20.7.-09.08.15)	
M.Sc. Agrarwissenschaften insb. Tierwissenschaften	◖ **4502-430** (Mosenthin) Methoden zur Analytik und Qualitätsbeurt. von Futtermitteln	◖ **4702-510** (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◖ **4701-480** (Stefanski) Verhaltensphysiologie und Immunobiologie	◖ **4501-450** (Rodehutscord.) Spezielle Ernährung Wiederkäuer	○ **4701-530** (Stefanski) Forschungsmethoden und wissenschaftliche Fragestellungen der Verhaltensphysiologie
	◖ **4701-490** (Stefanski) Verhaltensbiologie	~~○ **4601-410** (N.N.) Angew. Anatomie und klinische Untersuchungsmethoden~~	○ **4602-450** (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	◖ **4602-490** (Hölzle) Spezielle Tierhygiene	
	○ **4202-420** (Becker) Questionnaire Design and Data Analysis in SPSS (partly blocked!)	○ **4602-500** (Beyer) Biologische Sicherheit und Gentechnikrecht *(+8.6. Labor!)*	○ **4802-450** (Dickhöfer) Quantitative Meth. in Animal Nutrition + Vegetation Sciences	○ **4801-420** (Valle Zárate) Promotion of Livestock in Tropical Environments	
		○ **7301-400** (Rosenkranz) Soziale Insekten *(10 Plätze für Fak. A)*	◖ **7301-410**(Rosenkranz) Bienen	○ **4601-420** (Steffl) Seminar zu klinischen Fallstudien ….	
M.Sc. AgriTropics	● **3803-470** (Asch) Interdiscipl. Practical Science Traíning (**AgriTropics only!**)	○ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ **4802-450** (Dickhöfer) Quantitative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ **4801-430** (Valle Zárate) Livestock Breeding Programmes	○ **4602-450** (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	○ **4801-420** (Valle Zárate) Promotion of Livestock in Trop. Environments	
Crop		○ **3801-430** (Cadisch) Integrated Agricultural Production Systems	○ **3803-450** (Asch) Crop Production Affecting the Hydrological Cycle	○ **3803-430** (Asch) Ecophysiology of Crops in the Tropics and Subtropics	
		○ **3101-560** (Rennert) Soils of the World	○ **3501-480** (Melchinger) Breeding of Trop., Ornamental, and Vegetable Plants		
Engineering		○ **4403-550** (Müller, J.) Postharvest Technology of Food and Bio-Based Products	○ **4403-470** (Müller, J.) Renewable Energy for Rural Areas	○ **4403-410** (Müller, J.) Irrigation and Drainage Technology	
Economics				○ **4303-480** (Scherbaum) Global Nutrition	
M.Sc. Crop Sciences	○ **2601-430** (Schaller) Entwicklungsbiologie der Pflanzen *(5 Plätze für CS)*	○ **4602-500** (Beyer) Biologische Sicherheit und Gentechnikrecht *(Achtung am*	○ **1101-430** (Kügler) Modelling and Simulation of Biochemical Reaction Networks *(5*	○ **2202-400** (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molecular Inter-	← *(8 Plätze für UHOH, Rest für Eu-*

(blocked semester packages)		*08.06.ist ebenfalls Labortag!)*	*Plätze für CS)*	actions and Evolution	*roLeague Partner-Unis)*
	○ **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 Pollution and 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	◖ **4303-480** (Scherbaum) Global Nutrition	
		◖ **4403-550** (Müller, J.) Postharvest Technology of Food and Bio-Based Products ~~**4403-580** (Müller, J.) Water and Soil Managem.in Agric. Prod.~~	○ **1401-490** (Biesalski) Food Security	◖ **4403-410** (Müller, J.) Irrigation and Drainage Technology ~~**4403-550** (Müller, J.) Postharvest Technology of Food and Bio-Based Products~~ (→B2)	
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			
M.Sc. EnvEuro Environm. Impacts	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources	◖ **3803-450** (Asch) Crop Production Affecting the Hydrological Cycle	◖ **3103-460** (Streck) Environmental Science Project	
		◖ **3101-560** (Rennert) Soils of the World	◖ **3101-570** (Hermann) Field Course Soils and Vegetation	◖ **4403-410** (Müller, J.) Irrigation and Drainage Technology	
Environm. Management	● **3103-450** (Streck) Spatial Data Analysis with GIS	◖ **3801-430** (Cadisch) Integrated Agricultural Production Systems	◖ **4403-470** (Müller, J.) Renewable Energy for Rural Areas	◖ **3103-460** (Streck) Environmental Science Project	
		◖ **3802-420** (Rasche) Biodiversity, Plant and Animal Gen. Resources		◖ **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	
				◖ **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		◖ **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



Lecture Periods

WS 14/15	**First day of un-blocked modules:**	(42. KW) Monday, 13.10.2014
	First day of blocked modules:	(42. KW) Monday, 13.10.2014
	Last day of un-blocked modules:	(6. KW) Saturday, 07.02.2015
	Last day of blocked modules:	(7. KW) Friday, 13.02.2015
SS 15	**First day of blocked modules:**	(16. KW) Monday, 13.04.2015
	First day of un-blocked modules:	(16. KW) Monday, 13.04.2015
	Last day of un-blocked modules:	(30. KW) Saturday,25.07.2015
	Last day of blocked modules:	(32. KW) Friday, 07.08.2015

Free of lectures: All Saints' Day: 01.11.2014, Christmas holidays: Mo 22.12.2014 – Tu 06.01.2015, Easter holidays: Fr 03.04. – Mo 06.04.2015, Labour Day: Fr 01.05.2015, Ascension Day: Tu 14.05.2015, Pentecost holidays: Mo 25.05.2015 – Sa 30.05.2015 (excursions might take place), Feast of Corpus Christi: Th 04.06.2015. The "Dies Academicus" (03.07.2015) will be free of lectures too.

Examination periods in winter semester 2014/15

B.Sc. and M.Sc. period 1: calendar week 7 to 9
B.Sc. and M.Sc.: period 2: calendar week 14 to 15
Deadline for the registration for exams: is fixed by the examination office

Examination periods in summer semester 2015

B.Sc. and M.Sc. period 1: calendar week 31 to 33
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**)