

Organic Agriculture and Food Systems

Master of Science

Curriculum



March 2014

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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.

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.

Table of Contents

Programme Objectives and Conditions.....	4
Programme Design.....	4
Double Degree	4
Single Degree.....	5
Modules.....	5
Module Descriptions	8
Individual Timetable.....	8
Credit Point System, Marks, and Grades.....	8
Study and Examination Plan.....	9
Examinations and Exam Repetition	9
Master Thesis.....	9
Quality Assurance	10
Teaching Staff	10
Mentoring	10
Partner Universities	10
Degree	10
Responsible Scientist	10
Contact.....	10
Block Periods	11
Blocked Modules Taught in English.....	13
Unblocked Modules Taught in English.....	14
Explanation of Module Code.....	15
Lecture Periods and Examination Periods	16

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 fifteen thematic modules and the Master Thesis have to be completed. A semester consists of five modules. 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 40.

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 focus 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 all these universities are described 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.

In the third and fourth semester, students choose additional five modules at Hohenheim and work on their thesis. The topic of the thesis as well as the supervisor can be chosen from either compulsory or elective modules. 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.

Modules

The M.Sc. Programme "Organic Agriculture and Food Systems" is composed of eight compulsory modules and seven elective modules, that is, a total of 15 modules over three semesters. One semester remains for the thesis work. Some modules are offered as blocked courses lasting three and a half weeks (B1 to B5 = winter semester, B6 – B10 = summer). Most compulsory modules are not blocked and thus last the full length of the semester. Blocked modules will usually take place Monday to Friday from 2 p.m. to 6 p.m. Non-blocked modules will usually be taught in the morning. This shall enable students to combine blocked and unblocked modules. (Because of the limited number of lecture rooms, this aim can unfortunately not always be kept.) While working out your personal time-table, please be aware of the following facts: the morning is assigned for the personal preparation of the blocked modules too and the block periods B4, B5 and B9, B10 will have a relevant overlapping with the first examination period of the unblocked modules!

Each module corresponds to a workload of 4 SWS (weekly contact hours per semester), which is 56 contact hours per module, and in addition at least the same time for preparation at home, summing up to a total workload of about 140-180 hours for one module. It may consist of different forms of teaching (e.g. seminar, lecture, practical exercises, excursion).

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).

In 13/14 the first **compulsory module** is one of these two modules:

Sem	Modules	Block	Exam	Professor
1	3405-470 Organic Food Systems and Concepts (<i>single degree</i>)	(WS)	written	Zikeli
1	3405-500 Principles of Organic Food Systems (<i>double degree</i>)	(WS)	written	Zikeli

In 13/14 the other seven **compulsory modules** are:

Sem	Code	Modules	Block	Exam	Professor
1	4201-440	Economics and Environmental Policy	(WS)	written	Grethe
1	4303-440	Social Conditions of Organic and Sustainable Agriculture	(WS)	written	Lemke
1	3405-460	Processing and Quality of Organic Food	(WS)	written	Zikeli
1+2	3405-440	Project in Organic Agriculture and Food Systems	(WS+SS)	written + ICA	Zikeli
2	4202-460	Markets and Marketing of Quality Food	(SS)	written	Becker, T.
2	3401-360	Organic Plant Production	(SS)	oral	Claupein
2	4801-480	Organic Livestock Farming and Products	B 7	written	Valle Zárate

(WS) = Offered unblocked in each winter semester.

(SS) = Offered unblocked in each summer semester.

ICA = In-course-assessment

In 14/15 the 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 (<i>single degree</i>)	1 Semester	6	Zikeli
1	3405-500	Principles of Organic Food Systems (<i>double degree</i>)	1 Semester	6	Freyer (BOKU)

In 14/15 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	3405-440	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	3401-360	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 seven **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:

Sem	Modules until summer 2014	Block	Exam	Professor
1/3	3301-440 Soil Fertility and Fertilisation in Organic Farming	(WS)	oral	Müller, T.
1/3	1503-410 Food Technology and Residues	B 1	written	Hausmann
1/3	3405-410 Organic Farming in the Tropics and Subtropics	B 5	written	Zikeli
1/3	3003-410 Food Safety and Quality Chains	B 5 whole day!	oral + ICA	Schöne
1/3	3301-460 Exercises in Plant Nutrition	aff. B5	written	Müller, T.
2	3405-450 Problems and Perspectives of Organic Farming	(SS)	written	Zikeli
2	4303-470 Gender, Nutrition, and Right to Food	(SS)	written + ICA	Lemke
2	3603-420 Crop Protection in Organic Farming	(SS)	written + ICA	Zebitz
2	3603-500 Exercises i. Biol. Pest Contr.	B 10	written	Zebitz
2/4	3802-420 Biodiversity, Plant and Animal Genetic Resources	B 8	written	Sauerborn
2/4	4403-550 Postharvest Technology of Food and Bio-Based Products	B 8	written	Müller, J.
3	3603-490 Biological Pest Control	(WS)	written	Zebitz
3	3802-410* Ecology and Agroecosystems	B 2	written	Sauerborn
3	4902-420 International Food and Agricultural Trade	B 3	written	Brockmeier
3	4901-430 Rural Development Policies and Institutions	B 3	written	Zeller
3	4301-410 Knowledge and Innovation Management	B 4	oral	Knierim
3	4303-490 Ethics of Food and Nutrition Security	(WS)	oral + ICA	Bellows

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

Suggestions for **elective modules in 2014/15**:

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
2	3603-420	Crop Protection in Organic Farming	1 Semester	6	Zebitz
2	4903-470	Qualitative Research Methods in Rural Development Studies	1 Semester	6	Birner
2	4902-420	International Food and Agricultural Trade	1 Semester	6	Brockmeier
2	3603-490	Biological Pest Control	1 Semester	6	Zebitz
2	3603-500	Exercises in Biological Pest Control	summer school	7,5	Zebitz
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

Sem	Code	Name of Module	Duration	Credits	Professor
3	3003-410	Food Safety and Quality Chains	In March	6	Schöne
3	3802-410*	Ecology and Agroecosystems	1 Semester	6	Sauerborn
3	4301-410	Knowledge and Innovation Management	1 Semester	6	Knierim
3	4303-490	Ethics of Food and Nutrition Security	1 Semester	6	Lemke
3	3402-420	Quantitative Methods in Biosciences	1 Semester	6	Piepho
3	4901-470	Quantitative Methods in Economics	Second half of semester	6	
3	4301-420	Inter- and Transdisciplinary Research Approaches in Bioeconomics	1 Semester	6	Knierim
3	4903-500	Policy Processes in Agriculture and Natural Resource Management	1 Semester	6	Birner

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	
<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

With each completed module the students earn 6 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 re-

quired 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 the candidate must have the study and examination plan approved in which all chosen modules are mentioned. Until SS 14 the study plan has to be signed by a co-ordinator or mentor before it is handed in to the examination office (for coordinator and mentors see page 9). From WS 14/15 on only 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 examination 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 ex-

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

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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Block Periods 2013/2014

	Block	Period
Winter Semester	1	14.10. – 06.11.2013
	2	07.11. – 29.11.2013
	3	02.12. – 20.12.2013 + 07.01. – 08.01.2014
	4	09.01. – 31.01.2014
	5	03.02. – 25.02.2014
Summer Semester	6	01.04. – 25.04.2014
	7	28.04. – 21.05.2014
	8	22.05. – 06.06.2014 + 16.06. – 24.06.2014
	9	25.06. – 18.07.2014
	10	21.07. – 12.08.2014

Important Advice for the Personal Time-Table: Blocked modules will usually take place Monday to Friday from 2 p.m. to 6 p.m. Non-blocked modules will usually be taught in the morning. This shall enable students to combine blocked and unblocked modules. (Because of the limited number of lecture rooms, this aim can unfortunately not always be kept.) While working out your personal time-table, please be aware of the following facts: the morning is assigned for the personal preparation of the blocked modules too and the block periods B4, B5 and B9, B10 will have a relevant overlapping with the first examination period of the unblocked modules!

Please check module descriptions for how to register for participation in the module!

Blocked Modules and Periods 2014/2015

From WS 14/15 on all blocked modules offered by the Faculties of Natural Sciences and Agricultural Sciences will have a duration of 4 weeks, an estimated workload of around 200 hours, and will result in 7,5 ECTS credits.

Blocked Modules of the Faculty of Agriculture (*draft!*)

Winter Semester 2014/15					(1. examination period of unblocked modules: 09.02.-27.02.15)
	Block 1 (13.10.-7.11.)	Block 2 (10.11.-5.12.)	Block 3 (8.12.-16.1.)	Block 4 (19.1.-13.2.)	Holiday block (March)
Ecol	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-800 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	● 3003-410 (Schöne) Food Safety and Quality Chains
Econ.	○ 4904-460 (Berger) Farm System Modelling		○ 4901-420 (Zeller) Poverty and Development Strategies		Prüfung
	○ 4904-430 (Berger) Land Use Economics		○ 4901-470 (Zeller) Quant. Meth. i. Econom.		Prüfung
Animal Sc.					○ 4602-500 (Beyer) Biologische Sicherheit und Gentechnikrecht ● 4502-410 (Mosenthin) Futterwertbeurteilung, FM-mikrobiologie und ..
Summer Semester 2015					(1. examination period of unblocked modules: 27.07.-14.08.15)
	Block 1 (13.4.-8.5.)	Block 2 (11.5.-12.6.)	Block 3 (15.6.-10.7.)	Block 4 (13.07.-7.8.)	by arrangement
Crop S	● 3803-470 (Asch) Interdisciplinary Practical Science Training (AgriTropics only!)	○ 3801-430 (Cadisch) Integrated Agricultural Production Systems	○ 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	○ 3803-430 (Asch) Ecophysiology of Crops in the T+S	○ 3603-500 (Zebitz) Exercises in Biological Pest Control
Engin.		○ 4403-580 (Müller, J.) Water and Soil Management in Agric. Production	○ 4403-470 (Müller, J.) Renewable Energy f. Rural Areas	○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Prod.	
Animal T + S		○ 4801-430 (Valle Zárate) Livestock Breeding Programmes ...	○ 4802-450 (Dickhöfer) Quant. Meth. in Anim. Nutrition +Veget. Scienc.	○ 4801-420 (Valle Zárate) Promotion of Livestock in Trop. Environm.	
Soc.			○ 4602-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S		
			○ 4901-430 (Zeller) Rural Development Policy and Institutions	○ 4303-480 (Lemke) Global Nutrition	
Ecology		● 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources			
	● 3201-620 (Schmieder) Vegetation and Soils of Central Europe	● 3201-590 (Schurr) Combining Ecological Models and Data	● 3101-570 (Hermann) Field Course Soils and Vegetation	● 3201-600 (Schurr) Intensive Course Landscape Ecology	
Soil Scienc.	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3101-580 (Rennert) Bodenschutz, Bodenbewertung, -sanierung	● 3103-460 (Streck) Environmental Science Project	● 3102-420 (Kandeler) Bodenwissenschaftliches Experiment
	● 3102-450 (Kandeler) Molecular Soil Ecology	● 3101-560 (Rennert) Soils of the World		● 3101-430 (Rennert) Interdiscipl. Adv. Soil Sc. Project (Engl.+ Ger.)	
Animal Sciences	● 4701-490 (Stefanski) Verhaltensbiologie	● 4702-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. ...	● 4701-480 (Stefanski) Verhaltensphysiologie und Immunobiologie	● 4501-450 (Rodehuts.) Sp. Ernähr. Wiederkäuer	
	● 4502-430 (Mosenthin) Methoden zur Analytik u. Qualitätsbeurt. von Futtermitteln	● 7301-410 (Rosenkranz) Bienen ● 4601-410 (Amselgru.) Angew. Anatomie und klinische U.-methoden		● 4602-490 (Hölzle) Spezielle Tierhygiene	

Please check the module descriptions for how to register for participation in these modules!

Blocked Modules Summer Semester 2014

20.08.2013

● = Compulsory

◐ = Semi-elective

○ = Elective

Study Course	Period	6 (17 days)	7 (17 days)	8 (17 days)	9 (17 days)	10 (17 days)	by Arrangement
		01.04. - 25.04.2014 (unbl: 07.04.!)	28.04. – 21.05.2014	22.05. - 06.06.2014 + 16.06. - 24.06.2014	25.06. - 18.07.2014	21.07. - 12.08.2014	
M. Sc. AgEcon			● 4101-410 (Lippert) Environmental and Resource Economics	● 4201-410 (Grethe) Agricultural and Food Policy	◐ 4903-500 (Birner) Poli- cy Processes in Agric. + Nat. Resource Manag.	◐ 4903-470 (Birner) Qual. Research Methods ... ◐ 4902-430 (Brockmeier)	
M. Sc. AgriTropics	● 3803-470 (Asch) Interdisciplinary Practical Science Training (AgriTropics only!)	○ 4901-430 (Zeller) Rural Development Poli- cy and Institutions ○ 3801-430 (Cadisch) Integrated Agricultural Production Systems	○ 4201-410 (Grethe) Agri- cultural and Food Policy	○ 3802-420 (Sauer- born) Biodiversity, Plant and Animal Gen. Resources ○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Prod. ○ 4802-450 (Dickhöfer) Quant. Meth. in Anim. Nutri- tion + Veget. Scienc.	○ 4403-470 (Müller, J.) Renewable Energy f. Ru- ral Areas	○ 4902-430 (Brockmeier) Food and Nutrition Securi- ty	
			○ 4801-420 (Valle Zárate) Promotion of Livestock in Trop. Environments		○ 3803-430 (Asch) Ecophysiology of Crops in the T+S		
					○ 4602-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S		
					○ 3501-480 (Melchinger) Breed. of Trop., Ornamen- tal, and Vegetable Plants		
M. Sc. Crop Sciences	○ 4407-430 (Griepentrog) Precision Farming		◐ 3602-460 (Gerhards) Information Technologies and Expert Systems ..	○ 3501-480 (Melchinger) Breed. of Trop., Ornamen- tal, and Vegetable Plants	○ 3603-500 (Zebitz) Exercises in Biological Pest Control		
M. Sc. EnviroFood	◐ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	● 3103-460 (Streck) Environmental Science Project			
			◐ 4403-550 (Müller, J.) Postharvest Technology of Food & Bio-Based Prod.	◐ 4403-470 (Müller, J.) Renewable Energy for Rural Areas			
M. Sc. EnvEuro (first year)	○ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	● 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	○ 3103-460 (Streck) Environmental Science Project			
			◐ 4201-410 (Grethe) Agricultural and Food Policy	○ 4403-470 (Müller, J.) Renewable Energy for Rural Areas			
			○ 3101-460 (N.N.) Mapping Course...	○ 3101-430 (N.N.) Inter- discipl. Adv. Soil Science			
M. Sc. OrganicFood		● 4801-480 (Valle Zárate) Organic Livestock Farming and Products					

Please check module descriptions to find out how to register for participation in the respective module (<https://www.uni-hohenheim.de/modulkatalog.html>).

Unblocked Modules taught in English at the Faculty of Agricultural Sciences

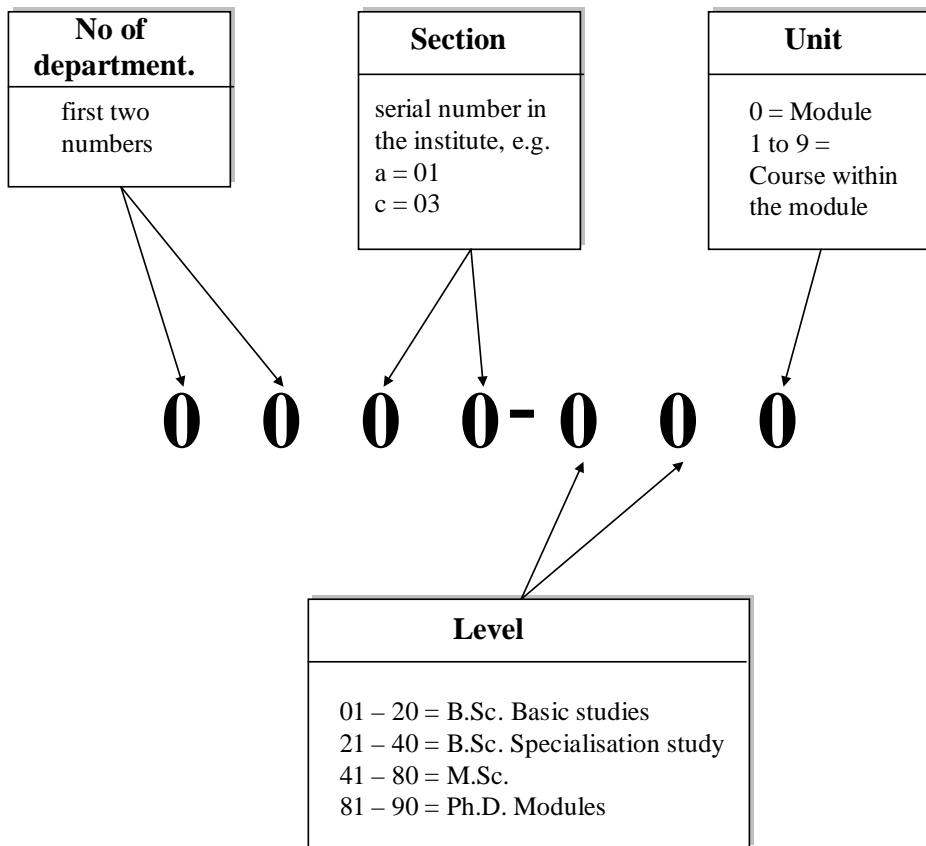
● = Compulsory

◐ = Semi-elective

○ = Elective

AgEcon	Agri-Tropics	Crop Sciences	EnvEuro	Enviro-Food	Organic-Food	
Unblocked Modules in Winter Semester 2013/14						
○	○	○	◐	◐	○	1201-410 (Wulfmeyer) Remote Sensing
						1201-580 (Wulfmeyer) Physics of the Earth System
-	-	-	●	-	-	3005-410 (Fangmeier) Environmental Management in Europe (for EnvEuro only!)
⊕	⊕	⊕		⊕	⊕	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
○	○	○	○	○	○	3102-450 (Kandeler) Molecular Soil Ecology
○	○	○	○	○	○	3301-450 (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
○	○	○	○	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)
○	○	◐		○	○	3302-450 (Neumann) Plant Symbioses for Nutrient Acquisition
○	○	◐		○	○	3302-460 (Ludewig) Plant Quality
○	○	●		○	○	3401-470 (Claupein) Crop Physiology
○	●	○	●	○	○	3402-420 (Piepho) Quantitative Methods in Biosciences
○	○	○		○	●	3405-460 (Zikeli) Processing and Quality of Organic Food
○	○	○		○	●	3405-470 (Zikeli) Organic Food Systems and Concepts
-	-	-	-	-	●	3405-500 (Zikeli) Principles of Organic Food Systems (for EurOrganic only!)
○	○	◐		○	○	3501-470 (Melchinger) Selection Theory
		●				3502-440 (Schmid) Methods of Scientific Working for Crop Sciences
○	○	◐		○	○	3502-450 (Schmid) Population and Quantitative Genetics
○	○	◐		○	○	3504-430 (Kruse) Seed Research
○	○	◐		○	○	3601-450 (Vögele) Phytopathology
○	○	◐		○	○	3602-450 (Gerhards) Molecular Aspects of Plant Protection
○	○	◐		○	○	3603-480 (Zebitz) Entomology
○	○	○	◐	●	●	4201-440 (Grethe) Economics and Environmental Policy
○	○	○		○	●	4303-440 (I.V. Lemke) Social Conditions of Organic and Sustainable Agriculture
○	○	○	○	○	○	4303-490 (I.V. Lemke) Ethics of Food and Nutrition Security
○	○					4404-450 (Köller) Innovations in Agriculture
○	○	○	◐	◐	○	4406-410 (Kranert) Waste Management and Waste Techniques
◐	○	○		○	○	4904-410 (Berger) Agricultural Economics Seminar
Unblocked Modules in Summer Semester 2014 (April - July)						
-	-	-	◐	-	-	3005-420 (Fangmeier) Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)
○	○	○	○	○	○	3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)
⊕	⊕	⊕	⊕	⊕	⊕	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
			○	○		3103-500 (Streck) Energy and Water Regime at the Land Surface
○	○	○	◐	○	○	3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)
○	○	○		○	○	3401-450 (Claupein) Conservation Agriculture
○	○	○		○	●	3401-460 (Claupein) Organic Plant Production
○	○	○	○	○	○	3402-450 (Piepho) Advanced Statistical Methods for Metric and Catagorical Data
○	○	○		○	○	3405-450 (Zikeli) Problems and Perspectives of Organic Farming
○	○	○		○	●	3405-490 (Zikeli) Project in Organic Agriculture and Food Systems
○	○	◐		○	○	3501-450 (Melchinger) Breeding Methodology
○	○	○		○	○	3603-420 (Zebitz) Crop Protection in Organic Farming
○	○	◐		○	○	3703-430 (Wünsche) Crop – Environment Interactions
						3803-490 (Asch) Excursion to the Tropics and Subtropics
●	○	○		○	○	4202-450 (Becker, T.) Microeconomics
○	○	○		○	●	4202-460 (Becker, T) Markets and Marketing of Quality Food
◐	○	○		◐	○	4303-470 (I.V. Lemke) Gender, Nutrition, and Right to Food
○	○	○		◐	○	4303-480 (I.V. Lemke) Global Nutrition
-	●	-	-	-	-	4903-460 (Birner) Methods in Interdisciplinary Collaboration (for AgriTropics only!)

Explanation of Module Code



Lecture Periods

SS 14	First day of blocked modules:	(14. KW) Tuesday, 01.04.2014
	First day of <u>un</u>-blocked modules:	(15. KW) Monday, 07.04.2014
	Last day of <u>un</u>-blocked modules:	(29. KW) Saturday, 19.07.2014
	Last day of blocked modules:	(33. KW) Tuesday, 12.08.2014
WS 14/15	First day of <u>un</u>-blocked modules:	(42. KW) Monday, 13.10.2014
	First day of blocked modules:	(42. KW) Monday, 13.10.2014
	Last day of <u>un</u>-blocked modules:	(6. KW) Saturday, 07.02.2015
	Last day of blocked modules:	(7. KW) Friday, 13.02.2015

Free of lectures: Easter holidays: 18.04. – 21.04.2014, Labour Day: 01.05.2014, Ascension Day: 29.05.2014, Pentecost holidays: 10.06.2014 –14.06.2014 (except excursions), Feast of Corpus Christi: 19.06.2014. The “Dies Academicus” (04.07.2014) will be free of lectures too!

Examination periods in summer semester 2013

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

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 13 to 14
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>).