

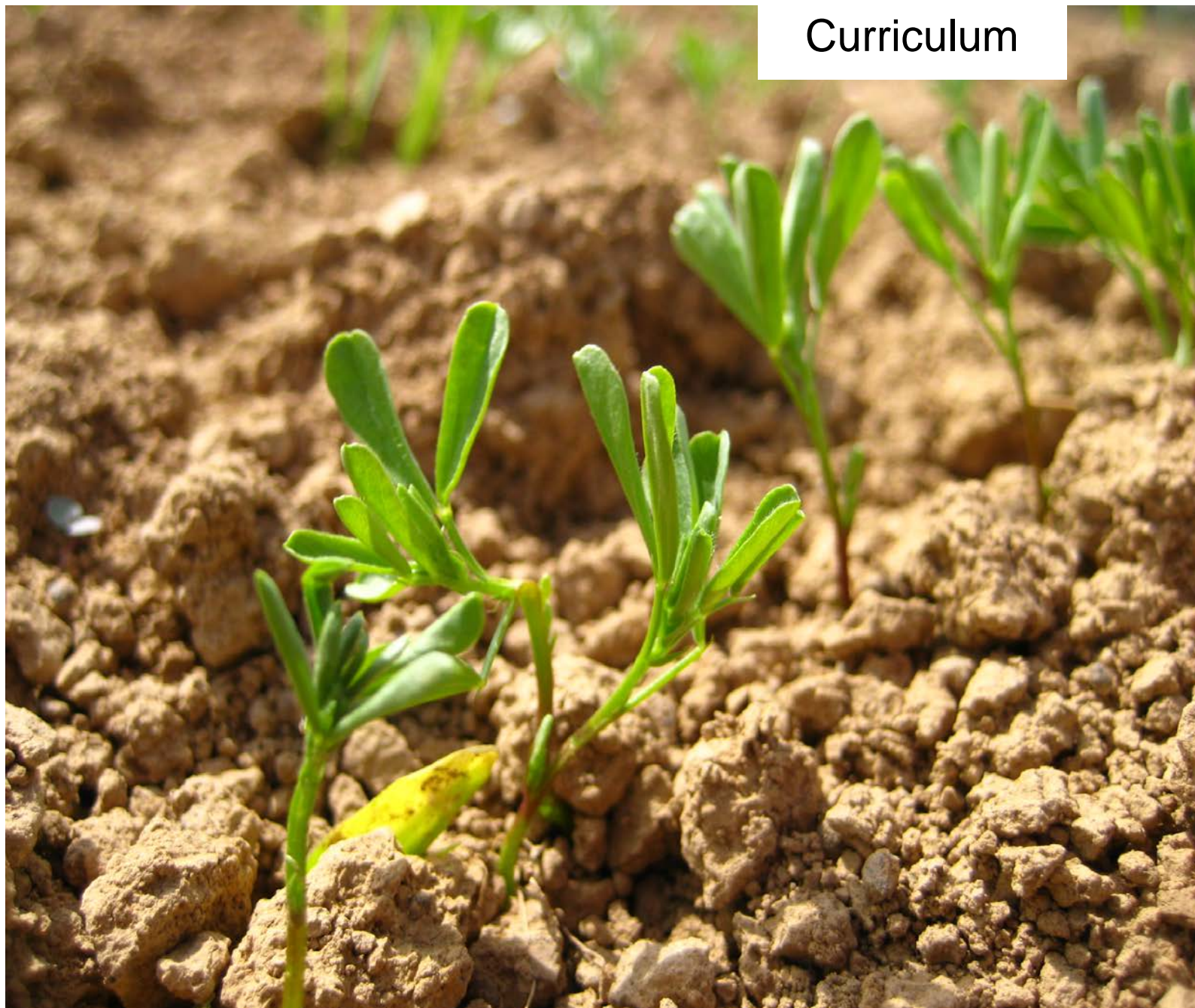
UNIVERSITÄT HOHENHEIM  
FAKULTÄT AGRARWISSENSCHAFTEN



# Organic Agriculture and Food Systems

## Master of Science

Curriculum



September 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. program „Organic Agriculture and Food Systems“. It contains information on the programme structure, summarises the most important exam regulations (issued the 15<sup>th</sup> of May 2014 including all changes until 29th of July 2015).

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

If in doubt, please refer to the coordinator of the program ([organicfood@uni-hohenheim.de](mailto: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](http://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](http://www.uni-hohenheim.de).

## Table of Contents

Program Objectives and Conditions .....	4
Program Design .....	4
Double Degree .....	4
Single Degree.....	5
Modules.....	5
Module Descriptions .....	7
Individual Timetable.....	7
Credit Point System, Marks, and Grades.....	8
Counselling Confirmation.....	8
Examinations and Exam Repetition .....	8
Master Thesis.....	9
Quality Assurance .....	9
Teaching Staff .....	9
Mentoring .....	9
Partner Universities .....	9
Modules offered for incoming students .....	10
Degree .....	12
Responsible Scientist .....	12
Contact.....	12
Blocked Modules and Block Periods.....	14
Explanation of Module Code.....	19
Lecture Periods and Examination Periods .....	20

## **The Master's Program Organic Agriculture and Food Systems (*EUROrganic*)**

### ***Program 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. Program "Organic Agriculture and Food Systems". This program 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 Program 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.

### ***Program Design***

To tackle problems in quality control and processing, knowledge of all aspects of the organic food chain is necessary. Therefore, the M.Sc. program 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. program "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 program as a Double or Single Degree Program. The program 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. program 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. War-

saw 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 program 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 program 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	<b>Master Thesis</b> (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	4302-410 (Bieling) 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 program 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](http://www.uni-hohenheim.de/modulkatalog)).

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)

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	4302-410	Social Conditions of Organic and Sustainable Agriculture	1 Semester	6	Bieling
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	<a href="#">Organic Plant Production</a>	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 program which forms the admission requirement for the study program 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	<a href="#">Portfolio-Module (Master)</a>	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	3603-490	Biological Pest Control	1 Semester	6	Zebitz

Sem	Code	Name of Module	Duration	Credits	Professor
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	<a href="#">Inter- and Transdisciplinary Research Approaches in Bioeconomics</a>	1 Semester	6	Knierim
3	4302-420	<a href="#">Ethical Reflection on Food and Agriculture</a>	1 Semester	6	Bieling
3	4303-470	<a href="#">Gender, Nutrition and Right to Food</a>	in March	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	<a href="#">Food Technology and Residues</a>	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](http://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](http://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](http://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 credits for the workload associated with each module. The M.Sc. program 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. program is fully compatible with the European Credit Transfer System, ECTS.

### **Counselling Confirmation**

Students have to seek advice of one of the mentors of the program on which elective modules are suitable for their individual profile. During the first month of study the candidate a counselling confirmation has to be signed by a coordinator 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:

- one out of 15 modules needs to be repeated more than two times
- an examination of one of the modules has not been passed by the end of the seventh semester at the latest
- the Master's thesis is not registered at the latest three months after notification of the final passed module examination or at the start of the seventh semester.

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 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.

### ***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 counselling confirmation 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](mailto:sabine.zikeli@uni-hohenheim.de)
- Dr. Gruber (Prof. Claupein), [grubersf@uni-hohenheim.de](mailto:grubersf@uni-hohenheim.de)
- Prof. Lippert, [Christian.Lippert@uni-hohenheim.de](mailto:Christian.Lippert@uni-hohenheim.de)
- Prof. Müller, T., [Torsten.Mueller@uni-hohenheim.de](mailto:Torsten.Mueller@uni-hohenheim.de)
- Dr. Reiber (Prof. Valle Zárate), [C\\_Reiber@uni-hohenheim.de](mailto: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 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	4302-410	Social Conditions of Organic and Sustainable Agriculture	1 Semester	6	Bieling
3	4903-450	<a href="#">Innovations in Agriculture</a>	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 Management 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	4302-410	Social Conditions of Organic and Sustainable Agriculture	1 Semester	6	Bieling
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 Management 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	<a href="#">Agriculture and Food Security in Crisis-Affected Regions</a>	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 program 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

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

Master's Program		Semester Structure from WS 14/15 on				
Program	Specialization	Language	Winter Semester 1 (Compulsory-/SE)	Summer Semester1 (Compulsory/SE/Elective)	Winter Semester 2 (Compulsory/SE/Elective)	Summer Semester 2
AW	Agrartechnik	German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Bodenwissenschaften	German	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Pflanzenproduktionssysteme	German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Tierwissenschaften	German	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
Agribusiness		German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
NawaRo		German	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
Crop Sciences	Plant breeding & seed scien.	English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis
	Plant nutrition & protection		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	
<b>Double Degree</b>	<b>Specialization</b>					
EnvEuro	Ecosystems & Biodiversity	English	Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Impacts		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Environmental Management		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Climate Change		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
	Soil Resources & Land Use		Whole Semester	4 Weeks Blocked	Whole Semester	Master's-Thesis
EurOrganic		English	Whole Semester	Whole Semester	Whole Semester	Master's-Thesis

# Geblockte Module der Fakultät Agrarwissenschaften für das Wintersemester 2015/16

## Blocked Modules in Winter Semester 2015/16

27.08.2015

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

Blockperiode / Period	Block 1 (7.5 credits!)	Block 2 (7.5 credits!)	Block 3 (7.5 credits!)	Block 4 (7.5 credits!)	März-Block/ March Block (6 credits!)
Studiengang / Study Course	12.10. - 06.11.2015	09.11. - 04.12.2015	07.12.15 – 22.12.15/ 07.01. – 15.01.2016	18.01. - 12.02.2016	
<b>B.Sc. Agrarwissenschaften</b>					◐ 4402-210 (Jungbluth) Planung von Nutztierhaltungssystemen (29.02.-22.03.16)
					○ 4701-220 (Weiler) Nutztiersystemmanagement – Schwein (29.02.-22.03.16)
<b>M.Sc. Agrarwissenschaften</b> Tierwissenschaften					◐ 4502-410 (Mosenthin) Futterwertbeurteilung, Futtermittelmikrobiologie und –mikroskopie (29.02.-22.03.16)
<b>M.Sc. EnviroFood</b>					◐ 3003-410 (Schöne) Food Safety and Quality Chains (29.02.-11.03. + 22.03.16)
<b>M.Sc. Landscape Ecology</b>	● 3201-560 (Schurr) Landscape Ecology	● 3201-570 (Schurr) Community and Evolutionary Ecology	● 3201-580 (Schurr) Conservation Biology	● 3202-440 (Fangmeier) Plant Ecology	
<b>M.Sc. Crop Sciences</b> (3.Sem., blocked semester package)	○ 3000-410 (Müller, T.) Portfolio Module (Master)	○ 2601-410 (Schaller) Pflanze-Pathogen Interaktionen (5 Plätze für CS)	○ 2602-500 (Schulze) Regulatorische Prinzipien pflanzlicher Signaltransduktionswege (5 Plätze für CS)	◐ <del>3503-460 (Scholten) Molecular Plant Genetics</del> 2203-410 (Steidle) <a href="#">Chemische Signale bei Tieren</a>	○ 3103-410 (Streck) Plant and Crop Modeling (07.03.-17.03.16)
<b>Sonstige M.Sc./Other M.Sc.</b>					○ 4802-470 (Focken) Experimental Aquaculture (07.-18.03.16 at Ahrensburg)
					○ 4303-470 (Lemke) Gender, Nutrition, and Right to Food (29.02.-22.03.16)

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

# Blocked Modules in Summer Semester 2016

27.08.2015

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

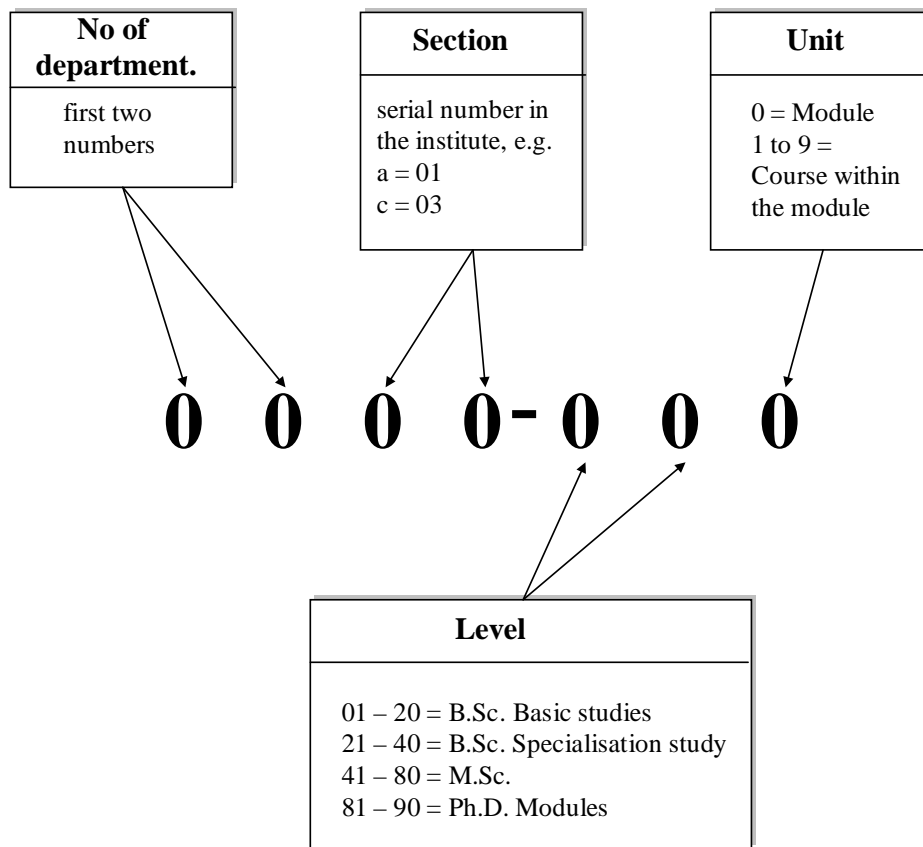
Blockperiode / Period	Block 1 (7,5 credits)	Block 2 (7,5 credits)	Block 3 (7,5 credits)	Block 4 (7,5 credits)	By arrangement (7,5 credits)
Studiengang / Study Course	04.04. - 29.04.2016	02.05. - 13.05. / 23.05. - 03.06.2016	06.06. - 01.07.2016	04.07. - 29.07.2016	
<b>M.Sc. Agrarwissenschaften Bodenwissenschaften</b>	◐ 3103-450 (Streck) Spatial Data Analysis with GIS	◐ 3102-440 (Kandeler) Environmental Pollution and Soil Organisms	◐ 3101-580 (Rennert) Boden- schutz, Bodenbewertung, - sanierung	● 3101-430 (Rennert) Integr. bodenw. Projekt f. Fortgeschr. / Interdiscipl. Advanced Soil Science Project (Engl.+ Ger.)	◐ 3102-420 (Kandeler) Bodenwissenschaftliches Experi- ment/Project in Soil Sciences (Engl.+ Ger.) ○ 3101-450 (Herrmann) Große pedologische Geländeübung / Major Pedological Field Trip (Engl.+ Ger.) (September)
	◐ 3102-450 (Kandeler) Molecular Soil Ecology	◐ 3101-560 (Rennert) Soils of the World	◐ 3101-570 (Herrmann) Boden- und veg.kundl. Geländeübung / Field Course Soils + Vegetation		
	◐ 3201-620 (Schmieder) Vege- tation and Soils of Centr. Europe				
<b>M.Sc. Agrarwissenschaften</b>		○ 4602-500 (Beyer) Biologische Sicherheit und Gen- technikrecht	◐ 7301-410 (Rosenkranz) Bienen	○ 4601-420 (Steffil) Seminar zu klinischen Fallstudien der Spez. Anatomie und Phys. d. Nutztiere	
		○ 7301-400 (Rosenkranz) Soziale Insekten (10 Plätze für Fak. A)	◐ 4701-480 (Stefanski) Verhal- tensphysiologie und Immunobi- ologie		
Tierwissenschaften: Profil Ernährung und Futtermittel	◐ 4502-430 (Mosenthin) Methoden zur Analytik und Qua- litätsbeurt. von Futtermitteln	◐ 4601-430 (Rodehutschord) Tracer Techniques in Animal Nutrition		◐ 4501-450 (Rodehutschord.) Spezielle Ernährung Wieder- käufer	
Tierwissenschaften: Profil Genomik und Züchtung		◐ 4702-510 (Bennewitz) Zuchtplanung und Zuchtpraxis i. d. Nutztierwissenschaften	◐ 4608-420 Hasselmann). Mo- lekulare Evolution und Populati- onsgenetik		
Tierwissenschaften: Profil Gesundheit und Verhalten	◐ 4701-490 (Stefanski) Verhaltensbiologie	◐ 4604-410 (Huber) Anatori- sche und physiologische Aspek- te in den Nutztierwissenschaften	◐ 4606-420 (Stefanski) Immunologie und Infektionsbio- logie	◐ 4602-490 (Hölzle) Spezielle Tierhygiene	
<b>Agrarwissenschaften Agricultural Economics</b>	○ 4202-420 (Becker) Question- naire Design and Data Analysis in SPSS (partly blocked!)				
<b>M.Sc. AgriTropics</b>	● 3803-470 (Asch) Interdiscipl. Practical Science Training (AgriTropics only!)	○ 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4802-450 (Dickhöfer) Quanti- tative Meth. in Animal Nutrition + Vegetation Sciences		
Animal		○ 4801-430 (Valle Zárate) Live- stock Breeding Programmes	○ 4602-450 (Hölzle) Food Safe- ty a. Drinking Water Quality re- lated to Zoonoses in the T+S	○ 4801-420 (Valle Zárate) Pro- motion of Livestock in Trop. En- vironments	
Crop		○ 3801-430 (Cadisch) Integrated Agricultural Produc- tion Systems	○ 3803-450 (Asch) Crop Production Affecting the Hy- drological 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 Ar- eas	○ 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Economics			○ 4901-410 (Zeller) Rural Deve- lopment Policy and Institutions	○ 1401-530 (Scherbaum) Global Nutrition	



<b>M.Sc. Crop Sciences</b> (blocked semester packages)	○ 2601-430 (Schaller) Entwicklungsbiologie der Pflanzen (5 Plätze für CS)	○ 4602-500 (Beyer) Biologische Sicherheit und Gentechnikrecht		○ 1101-430 (Kügler) Modelling and Simulation of Biochemical Reaction Networks (5 Plätze für CS)	← ○ 2202-400 (Mackenstedt) Pathogens, Parasites and their Hosts, Ecology, Molec. Interactions a. Evolution (8 Pl. UHOH)
	○ 3102-450 (Kandeler) Molecular Soil Ecology	○ 3801-430 (Cadisch) Integr. Agricultural Production Systems	○ 3803-450 (Asch) Crop Prod. Affecting the Hydrological Cycle	○ 3803-430 (Asch) Ecophysiology of Crops in the T+S	○ 3603-500 (Zebitz) Exercises in Biological Pest Control
<b>M.Sc. EnviroFood</b>	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3102-440 (Kandeler) Environmental Poll.a.Soil Organisms	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4602-450 (Hölzle) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	● 1401-530 (Scherbaum) Global Nutrition	
		● 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Products	○ 1401-490 (Biesalski) Food Security	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
<b>M.Sc. Landscape Ecology</b>	● 3201-620 (Schmieder) Vegetation and Soils of Centr. Europe	● 3201-590 (Schurr) Combining Ecological Modells and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3201-600 (Schurr) Intensive Course Landscape Ecology	
	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3101-560 (Rennert) Soils of the World	● 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle		
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4303-4X0 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services		
<b>M.Sc. EnvEuro</b> Environm. Impacts	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	
		● 3101-560 (Rennert) Soils of the World	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Environm. Management	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3801-430 (Cadisch) Integrated Agricultural Production Systems	● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3103-460 (Streck) Environmental Science Project	
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 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) Bodenkundl. Experiment/Project in Soil Sciences (Engl.+ Ger.)
Climate Change	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	● 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	● 3103-460 (Streck) Environmental Science Project	
			● 4403-470 (Müller, J.) Renewable Energy for Rural Areas	● 3803-430 (Asch) Ecophysiology of Crops in the T+S	
			○ 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 4403-410 (Müller, J.) Irrigation and Drainage Technology	
Ecosystems and Biodiversity	● 3103-450 (Streck) Spatial Data Analysis with GIS	● 3201-590 (Schurr) Combining Ecological Modells and Data	● 3101-570 (Herrmann) Field Course Soils and Vegetation	● 3103-460 (Streck) Environmental Science Project	
		● 3802-420 (Rasche) Biodiversity, Plant and Animal Gen. Resources	○ 4302-430 (Bieling) Landscape Change, Nature Conservation and Ecosystem Services	● 3201-600 (Schurr) Intensive Course Landscape Ecology	

<b>Day</b> <b>Hour</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>8 - 9</b>					
<b>9 - 10</b>					
<b>10 - 11</b>					
<b>11 - 12</b>					
<b>12 - 13</b>					
<b>13 - 14</b>					
<b>14 - 15</b>					
<b>15 - 16</b>					
<b>16 - 17</b>					
<b>17 - 18</b>					

# Explanation of Module Code



# Lecture Periods

<b>WS 15/16</b>	<b>First day of <u>un</u>-blocked modules:</b>	(42. KW) Monday, 12.10.2015
	<b>First day of blocked modules:</b>	(42. KW) Monday, 12.10.2015
	<b>Last day of <u>un</u>-blocked modules:</b>	(5. KW) Saturday, 01.02.2016
	<b>Last day of blocked modules:</b>	(6. KW) Friday, 12.02.2016
<b>SS 16</b>	<b>First day of blocked modules:</b>	(14. KW) Monday, 04.04.2016
	<b>First day of <u>un</u>-blocked modules:</b>	(14. KW) Monday, 04.04.2016
	<b>Last day of <u>un</u>-blocked modules:</b>	(28. KW) Saturday, 16.07.2016
	<b>Last day of blocked modules:</b>	(30. KW) Friday, 29.07.2016

**Free of lectures:** All Saints' Day: Sun 01.11.2015, Christmas holidays: Wed 23.12.2015 – Wed 06.01.2016, Easter holidays: Fri 25.03. – Mon 28.03.2016, Labour Day: Sun 01.05.2016, Ascension Day: Thu 05.05.2016, Pentecost: Mon 16.05.2016 – Sat 21.05.2016 (excursions might take place during that week!), Feast of Corpus Christi: Thu 26.05.2016. The "Dies Academicus" (01.07.2016) will be free of lectures too.

## Examination periods in winter semester 2015/16

**B.Sc. and M.Sc. period 1:** calendar week 6 to 8  
**B.Sc. and M.Sc.: period 2:** calendar week 12 to 13  
**Deadline for the registration for exams:** is fixed by the examination office

## Examination periods in summer semester 2016

**B.Sc. and M.Sc. period 1:** calendar week 29 to 31  
**B.Sc. and M.Sc.: period 2:** calendar week 39 to 41  
**Deadline for the registration for exams:** is fixed by the examination office

Questions concerning the examination regulations, the study and examination plan, withdrawal or transcripts of records are answered at the examination office and the exact dates of the module examinations are posted at the online notice-board of the examination office at: (<https://www.uni-hohenheim.de/pruefung.html?&L=1>)