



# Curriculum

Master of Science  
Organic Agriculture and Food Systems



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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](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 at the local book store or online on the university's homepage: [www.uni-hohenheim.de](http://www.uni-hohenheim.de).

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## The Master 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 food chain management 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. Language of instruction is English.

Students have the possibility to receive a double degree for their studies, if they study their second year at one of the partner universities: University of Applied Sciences (BOKU) Vienna, Austria; or Warsaw University of Life Sciences (WULS), Poland (page 9). If a student completes all modules at Hohenheim, he or she receives a single degree from Hohenheim. To obtain a double degree the student has to choose among the specializations currently offered at the partner universities (e.g. at WULS the specialisation "Organic Food Quality and Processing"). Grades are based on the European Credit Transfer System (ECTS), which facilitates this kind of international mobility.

The programme starts in October (winter semester) of each year. The maximum number of students admitted to the course is 40. A semester consists of five modules.

During the first year at Hohenheim eight compulsory modules cover all aspects of organic food chain management from plant and animal production to food processing and socio-economic and socio-cultural aspects. Two elective modules can be chosen from a broad list of disciplinary and interdisciplinary subjects. The possibility to combine the compulsory modules with different elective modules, offers each student the opportunity to develop a specific profile according to his or her personal career aspirations.

A personal mentor from the teaching staff is assigned to advice on appropriate profiles and a smooth and goal-oriented study progress.

In the third and fourth semester, students choose an additional five modules at Hohenheim or at one of the partner universities 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](http://www.uni-hohenheim.de/modulkatalog)).

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	3405-480 Start-Up Module EUR-Organic ( <i>double degree</i> )	(WS)	written	Zikeli

The other seven **compulsory modules** are:

Sem	Modules	Block	Exam	Professor
1	4101-430 Socioeconomics of Organic Farming	(WS)	written + ICA	Dabbert
1	4303-440 Social Conditions of Organic and Sustainable Agriculture	(WS)	written	Bellows
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	4202-440 Markets and Marketing of Organic Food	(SS)	written	Becker, T.
2	3401-360 Organic Plant Production	(SS)	oral	Claupein

Sem	Modules	Block	Exam	Professor
2	4801-480 Organic Livestock Farming and Products	B 10	written	Valle Zárate

(WS) = Offered unblocked in each winter semester.

(SS) = Offered unblocked in each summer semester.

ICA = In-course-assessment

A maximum of three compulsory modules may be replaced with the corresponding number of electives if knowledge corresponding to the 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	Block	Exam	Professor
1/3	3301-440 Soil Fertility and Fertilisation in Organic Farming	(WS)	oral	Müller, T.
1/3	3405-450 Problems and Perspectives of Organic Farming	(WS)	written	Zikeli
1/3	1503-410 Food Technology and Residues	B 1	written	Kohlus
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
2	4303-470 Gender, Nutrition, and Right to Food	(SS)	written + ICA	Bellows
2	3603-420 Crop Protection in Organic Farming	(SS)	written + ICA	Zebitz
2/4	4403-550 Postharvest Technology of Food and Bio-Based Products	B 8	written	Müller, J.
2/4	4902-420 International Food and Agricultural Trade	B 9	written	Brockmeier
3	3802-410 Ecology and Agroecosystems	B 2	written	Sauerborn
3	4901-430 Rural Development Policies and Institutions	B 3	written	Zeller
3	4301-410 Knowledge and Innovation Management	B 4	oral	Hoffmann
2/4	3802-420 Biodiversity, Plant and Animal Genetic Resources	B 8	written	Sauerborn
3	4303-490 Ethics of Food and Nutrition Security	unblocked	?	Bellows

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.

### Course Catalogue

The Course Catalogue of the University of Hohenheim is available at the beginning of each semester online at the university's homepage: [www.uni-hohenheim.de](http://www.uni-hohenheim.de). By the name of the course (see p. 10), the courses can be



located inside the Course Catalogue of the University of Hohenheim. Times and lecture rooms of all courses can be found, and a personal timetable can be worked out. Mind: several non-blocked modules within that catalogue consist of more than one course. All modules, their courses and responsible lecturers are described in the catalogue of course contents.

**Course Contents**

For the contents of all modules see: [www.uni-hohenheim.de/modulkatalog](http://www.uni-hohenheim.de/modulkatalog)

**Credit Point System**

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 grade points. The highest score is 4.0. A score of 1.0 is required for passing.

Credits are multiplied with the grade points achieved to derive the number of credit points obtained. In order to calculate the grade point average, the total number of credits collected divides the total number of credit points obtained in all modules.

The credit point system used in the M.Sc. programme is fully compatible with the European Credit Transfer System, ECTS.

	Grade- points and grades		
	grades	grade-points	
<i>excellent performance</i>	<i>very good</i>	A	4,0
		A-	3,7
<i>performance considerably exceeding the above average standard</i>	<i>good</i>	B+	3,3
		B	3,0
		B-	2,7
<i>performance meeting the average standard</i>	<i>medium</i>	C+	2,3
		C	2,0
		C-	1,7
<i>performance meeting minimum criteria</i>	<i>pass</i>	D+	1,3
		D	1,0
<i>performance not meeting minimum criteria</i>	<i>fail</i>	F	0

**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. This plan has to be signed by a mentor before it is handed in to the examination office. Exchanges of modules need to be approved by the responsible mentor (for mentors see page 9).

**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 the compulsory modules has not been passed by the end of the third semester at the latest
- an examination of the elective 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; 0 grade-points).

### ***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.

### ***Academic calendar***

In the winter semester (WS) courses usually begin in week 42 and end in week 5 or 6 of the new year. In the summer semester (SS) courses begin in week 14 or 15 and end in week 28 or 29. Blocked modules of the WS usually begin in week 42, those of the SS in week 13 or 14. In each semester the lecture period is followed by an examination period of three weeks for unblocked modules. This examination period of the unblocked modules usually corresponds with the last block period of each semester.

### ***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:

- Prof. Bellows, [anne.bellows@uni-hohenheim.de](mailto:anne.bellows@uni-hohenheim.de)
- Dr. Zikeli (Prof. Claupein), [sabine.zikeli@uni-hohenheim.de](mailto:sabine.zikeli@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. Niessen (Prof. Becker, T.), [niessen@uni-hohenheim.de](mailto:niessen@uni-hohenheim.de)
- Dr. Herold (Prof. Valle Zárate), [Pera.Herold@uni-hohenheim.de](mailto:Pera.Herold@uni-hohenheim.de)

### **Partner Universities**

Due to the possibility to obtain a double degree in cooperation with BOKU and WULS, the students are encouraged to study abroad in the third and fourth semester at one of these partner universities. As for all other partner universities within the ELLS network (see below), the assesment of grades is based on the European Credit Transfer System (ECTS), which facilitates such kind of international mobility.

The students will stay for two semesters at the home university and spend another two semesters at the host university. This study structure enables the students to gain a detailed insight into the organic sector in two European countries. In Austria and Germany the organic sector is fully developed. From the agricultural production and commercialisation up to a wide consumer acceptance and different research institutions, the organic sector is well established. Poland shows a fast-paced and dynamic market development that is nonetheless still immature in many areas. The circumstances of Germany/Austria and Poland can also be projected to many other countries, like for example France and the USA or other Eastern European and Asian countries. A distinct asset of the master programme is that upon graduation the students will be used to the cultural conditions in two European countries, which is also a plus for non-European students.

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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<https://www.uni-hohenheim.de/eur-organic1>

In the following table all modules offered within the EUROrganic-Master at the University of Hohenheim and the corresponding courses are shown. The modules are sorted by module-code. (SWS = average hours per week per semester)

Module-Code	Name of Module	Sem.	Module obligation	Responsible Professor	Language	Module-Duration	Exam	LV-Code	Courses of the Module	Lecturer(s)	Type	SWS
1503-410	Food Technology and Residues	1	Elective	Kohlus	E	3,5 Weeks (B01)	oral	1503-412 1503-411	<ul style="list-style-type: none"> <li>▪ Production-Integrated Environmental Protection in the Food Production Industry</li> <li>▪ Treatment of Water, Wastewater and Waste in Food Technology</li> </ul>	<ul style="list-style-type: none"> <li>▪ N. N.</li> <li>▪ Dipl.-Ing. Peter Gschwind, N. N., Prof. Dr. Volker Wulfmeyer</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture</li> <li>▪ Lecture</li> </ul>	<ul style="list-style-type: none"> <li>▪ 2</li> <li>▪ 2</li> </ul>
3003-410	Food Safety and Quality Chains	1	Elective	Schöne	E	3,5 Weeks (B05)	oral with in course assessment	3003-411	<ul style="list-style-type: none"> <li>▪ Food Safety and Quality Chains</li> </ul>	<ul style="list-style-type: none"> <li>▪ PD Dr. Friedrich Schöne</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
3301-440	Soil Fertility and Fertilisation in Organic Farming	3	Elective	Müller	E	geblockt (n. V.)	oral (75%), presentation with handout (25%)	3301-441	<ul style="list-style-type: none"> <li>▪ Soil Fertility and Fertilisation in Organic Farming</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Torsten Müller</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Exercise and Seminar</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
3401-460	Organic Plant Production	2	Compulsory	Claupein	E	1 Semester	oral	3401-461	<ul style="list-style-type: none"> <li>▪ Organic Plant Production</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Wilhelm Claupein, Dr.agr. Sabine Gruber</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Seminar, Lab and Excursion</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
3405-410	Organic Farming in the Tropics and Subtropics	1	Elective	Zikeli	E	3,5 Weeks (B05)	written	3405-411	<ul style="list-style-type: none"> <li>▪ Organic Farming in the Tropics and Subtropics</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Wilhelm Claupein, Prof. Dr. Joachim Sauerborn, Prof. Dr. Anne Valle Zárate, Prof. Dr. Claus Zebitz, Dr. Sabine Zikeli</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Seminar and Excursion</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
3405-450	Problems and Perspectives of Organic Farming	1	Elective	Zikeli	E	1 Semester	written	3405-451	<ul style="list-style-type: none"> <li>▪ Problems and Perspectives of Organic Farming</li> </ul>	<ul style="list-style-type: none"> <li>▪ Dr. Sabine Zikeli</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Seminar</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
3405-460	Processing and Quality of Organic Food	1	Compulsory	Zikeli	E	1 Semester	written	3405-461	<ul style="list-style-type: none"> <li>▪ Processing and Quality of Organic</li> </ul>	<ul style="list-style-type: none"> <li>▪ Dr. Sabine Zikeli</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Ex-</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>

Module-Code	Name of Module	Sem.	Module obligation	Responsible Professor	Language	Module-Duration	Exam	LV-Code	Courses of the Module	Lecturer(s)	Type	SWS
									Food		cursion	
<b>3405-470</b>	Organic Food Systems and Concepts	1	Compulsory - Specialisation II	Zikeli	E	1 Semester	written	<b>3405-471</b>	<ul style="list-style-type: none"> <li>▪ Organic Food Systems and Concepts</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Reiner Doluschitz, Prof. Dr. Torsten Müller, Prof. Dr. Joachim Sauerborn, Dr. Sabine Zikeli</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Seminar and Excursion</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
<b>3405-480</b>	Start-Up Module EU-ROrganic	1	Compulsory - Specialisation I	Zikeli	E	1 Semester	k.A.	<b>3405-481</b>	<ul style="list-style-type: none"> <li>▪ Start-Up Module EUOrganic</li> </ul>	<ul style="list-style-type: none"> <li>▪ Dr. Sabine Zikeli</li> </ul>	<ul style="list-style-type: none"> <li>▪ E-Learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
<b>3405-490</b>	Project in Organic Agriculture and Food Systems (before: Organic Food Chain Project 3405-440)	1	Compulsory	Zikeli	E	2 Semester	written (essay 70%) + presentation (30%)	<b>3405-491</b>	<ul style="list-style-type: none"> <li>▪ Project in Organic Agriculture and Food Systems (vorher: Organic Food Chain Project 3405-441)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Tilman Becker, Prof. Dr. Wilhelm Claupen, Prof. Dr. Stephan Dabbert, M. Sc. Christian Eichert, Dr. Ulfert Focken, Dr.agr. Simone Graeff-Hönninger, Dr.agr. Sabine Gruber, Dr. Jan Niessen, Prof. Dr. Anne Valle Zárate, Prof. Dr. Walter Vetter, Prof. Dr. Claus Zebitz, Dr. Sabine Zikeli, Dipl.-Ing.sc. agr. Alexander Zorn</li> </ul>	<ul style="list-style-type: none"> <li>▪ Seminar</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
<b>3603-420</b>	Crop Protection in Organic Farming	2	Elective	Zebitz	E	1 Semester	written (70 %) plus seminar (30 %)	<b>3603-421</b>	<ul style="list-style-type: none"> <li>▪ Crop Protection in Organic Farming</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Claus Zebitz</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Seminar</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>
<b>3802-410</b>	Ecology and Agroecosystems	3	Elective	Sauerborn	E	3,5 Weeks (B02)	written	<b>3802-411</b>	<ul style="list-style-type: none"> <li>▪ Ecology and Agroecosystems</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof. Dr. Reinhard Böcker, PD Dr. Konrad Martin, Prof. Dr. Joachim</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture with Seminar and Excursion</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4</li> </ul>

Module-Code	Name of Module	Sem.	Module obligation	Responsible Professor	Language	Module-Duration	Exam	LV-Code	Courses of the Module	Lecturer(s)	Type	SWS
										Sauerborn		
<b>3802-420</b>	Biodiversity, Plant and Animal Genetic Resources	2	Elective	Sauerborn	E	3,5 Weeks (B08)	written	<b>3802-421</b>	▪ Biodiversity, Plant, and Animal Genetic Resources	▪ PD Dr. Konrad Martin, Prof. Dr. Joachim Sauerborn, Prof. Dr. Karl Schmid, Prof. Dr. Anne Valle Zárate	▪ Lecture with Seminar, Excursion and Lab-Exercise	▪ 4
<b>4101-430</b>	Socioeconomics of Organic Farming	1	Compulsory	Lippert	E	1 Semester	written (70%), poster or presentation (30%)	<b>4101-431</b>	▪ Socioeconomics of Organic Farming	▪ Prof. Dr. Stephan Dabbert, M. Sc. Christian Eichert, Prof. Dr. Christian Lippert, Dipl.-Ing.sc. agr. Alexander Zorn	▪ Lecture with Exercise and Seminar	▪ 4
<b>4202-440</b>	Markets and Marketing of Organic Food	2	Compulsory	Becker	E	1 Semester	written exam (70%) + case study and presentation (30%)	<b>4202-441</b>	▪ Markets and Marketing of Organic Food	▪ Prof. Dr. Tilman Becker, Dr. Jan Niessen	▪ Lecture with Seminar	▪ 4
<b>4301-410</b>	Knowledge and Innovation Management	1	Elective	Hoffmann	E	3,5 Weeks (B04)	oral	<b>4301-411</b>	▪ Knowledge and Innovation Management	▪ Dr. Maria Gerster-Bentaya, Prof. Dr. Volker Hoffmann	▪ Lecture with Exercise	▪ 4
<b>4303-440</b>	Social Conditions of Organic and Sustainable Agriculture	1	Compulsory	Bellows	E	1 Semester	written	<b>4303-441</b>	▪ Social Conditions of Organic and Sustainable Agriculture	▪ Prof. Dr. Anne Camilla Bellows	▪ Lecture with Seminar and Excursion	▪ 4
<b>4303-470</b>	Gender, Nutrition, and Right to Food	2	Elective	Bellows	E	1 Semester	written (essay 70%) with in-course assessment (presentation 30%)	<b>4303-471</b>	▪ Gender, Nutrition, and Right to Food	▪ Prof. Dr. Anne Camilla Bellows	▪ Seminar	▪ 4
<b>4403-550</b>	Post-Harvest Technology of Food and Bio-Based Products (formerly: Posthar-	2	Elective	Müller	E	3,5 Weeks (B08)	written	<b>4403-551</b>	▪ Post-Harvest Technology of Food and Bio-Based Products (formerly: Posthar-	▪ Prof. Dr. Reinhold Carle, Prof. Dr. Joachim Müller, Dr. Sybille Neid-	▪ Lecture with Excursion and Lab	▪ 4

Module-Code	Name of Module	Sem.	Module obligation	Responsible Professor	Language	Module-Duration	Exam	LV-Code	Courses of the Module	Lecturer(s)	Type	SWS
	vest Technology and Food Quality 4403-460)								vest Technology and Food Quality 4403-461)	hart, Prof. Dr. Claus Zebitz		
<b>4801-480</b>	Organic Livestock Farming and Products	2	Compulsory	Valle Zárate	E	3,5 Weeks (B10)	written	<b>4801-481</b>	▪ Organic Livestock Farming and Products	▪ Dr. Pera Herold, PD Dr. Brigitte A. Kaufmann, Prof. Dr. Anne Valle Zárate	▪ Lecture with Seminar and Excursion	▪ 4
<b>4901-410</b>	Qualitative Research Methods in Rural Development Studies	4	Elective	Zeller	E	3,5 Weeks (B10)	written	<b>4901-411</b>	▪ Qualitative Research Methods in Rural Development Studies	▪ Dr. Alwin Keil, Dr. Jana Rückert-John, Prof. Dr. Manfred Zeller	▪ Lecture with Seminar and Lab	▪ 4
<b>4901-430</b>	Rural Development Policies and Institutions	2	Elective	Zeller	E	3,5 Weeks (B07)	written	<b>4901-431</b>	▪ Rural Development Policies and Institutions	▪ Dr. Alwin Keil, Prof. Dr. Manfred Zeller	▪ Lecture with Seminar	▪ 4
<b>4902-420</b>	International Food and Agricultural Trade	2	Elective	Brockmeier	E	3,5 Weeks (B09)	written	<b>4902-421</b>	▪ International Food and Agricultural Trade	▪ Prof. Dr. Martina Brockmeier	▪ Lecture	▪ 4

## Block Periods 2010/2011

	<b>Block</b>	<b>Period</b>
<b>Winter Semester</b>	1	18.10. – 10.11.2010
	2	11.11. – 03.12.2010
	3	06.12. – 12.01.2011
	4	13.01. – 07.02.2011
	5	08.02. – 02.03.2011
<b>Summer Semester</b>	6	04.04. – 28.04.2011
	7	29.04. – 23.05.2011
	8	24.05. – 17.06.2011
	9	20.06. – 13.07.2011
	10	14.07. – 05.08.2011

**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 register 3 weeks before the respective block at the responsible institute!**



# Blocked Modules Winter Semester 2010/11

25.08.2010

● = Compulsory      ◐ = Semi-elective      ○ = Elective

Study Course	1 (17 days)	2 (17 days)	3 (17 days)	4 (17 days)	5 (17 days)	by Arrangement
	18.10. - 10.11.2010	11.11. - 03.12.2010	06.12. - 12.01.2011	13.01. - 07.02.2011	08.02. - 02.03.2011	
<b>M. Sc. AgEcon</b>	● 4904-460 (Berger) Farm System Modelling		● 4902-410 (Brockmeier) Applied Econometrics	◐ 4301-410 (Hoffmann) Knowledge and Innovation Management	◐ 4201-420 (Grethe) Advanced Policy Analysis Modelling	
	◐ 4901-420 (Zeller) Poverty and Development Strategies		◐ 4301-420 (Hoffmann) Organisational Development	◐ 4904-430 (Berger) Land Use Economics		
<b>M. Sc. AgriTropics</b>	● 4901-420 (Zeller) Poverty and Development Strategies	● 3802-410 (Sauerborn) Ecology and Agroecosystems	● 4403-530 (Müller, J.) Natural Resource Management	● 3801-420 (Cadisch) Crop Production Systems	● 4801-450 (Valle Zárate) Livestock Production Systems ...	◐ <del>4303-490 (Bellows)</del> Ethics of Food and Nutrition Security (unblocked!)
	○ 4301-430 (Hoffmann) Rural Communication and Extension	○ 4904-450 (Berger) Farm and Project Evaluation	○ 4901-470 (Zeller) Quantitative Methods in Economics	○ 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	○ 3405-410 (Zikeli) Organic Farming in the Tropics and Subtropics	
	○ 3101-410 (Stahr) Tropical Soils and Land Evaluation	○ 4802-410 (Focken) Intensive Aquacult. Systems	<del>◐ 3301-430 (Müller, T.) Plant Nutrition and Soil Chemistry</del>	○ 3501-440 (Melchinger) Plant Breeding and Seed Science in the T+S	○ 4802-420 (N.N.) Phys. and Ecol. Aspects of Animal Nutrition T+S	
		○ 3803-440 (Asch) Signalling in Plants under Stress	○ 4801-430 (Valle Zárate) Livestock Breeding Programmes ...			
<b>M. Sc. Crop Sciences</b>		◐ 3803-440 (Asch) Signalling in Plants under Stress	<del>◐ 3301-450 (Müller, T.) Fertilisation and Appl. Soil Chemistr. unblocked!</del>	◐ 3501-460 (Melching.) Planning. of Breed. Prog. (or after B5)		◐ 3301-460 (Müller, T.) Exercises in Plant Nutrition (after B5)
<b>M. Sc. EnviroFood</b>	VB ● 4402-440 (Jungbluth) Agricultural Production and Residues	● 3202-410 (Fangmeier) Ecotoxicology and Environmental Analytics	● 3103-440 (Streck) Matter Cycling in Agro-Ecosystems	● 4602-460 (Böhm) Environmental Microbiology, Parasitology ...	◐ 3004-410 (Trempe) Inland Water Ecosystems	
	VB ● 1503-410 (Kohlus) Food Technology and Residues		<del>◐ 4303-450 (Bellows) International Nutrition unblocked!</del>	◐ 3202-420 (Fangmeier) Global Change Issues	◐ 3003-410 (Schöne) Food Safety and Quality Chains (February 1 -11 <sup>th</sup> , 6 hours per day)	◐ 3301-460 (Müller, T.) Exercises in Plant Nutrition (after B5)
	◐ 3202-430 (Fangmeier) Air Pollution and Air Pollution Control		◐ 4403-530 (Müller, J.) Natural Resource Management			
<b>M. Sc. EnvEuro (first year and elective modules of second year)</b>	○ 4402-440 (Jungbluth) Agricultural Production and Residues	○ 3202-410 (Fangmeier) Ecotoxicology and Environmental Analytics	● 3103-440 (Streck) Matter Cycling in Agro-Ecosystems	◐ 3803-450 (Asch) Crop Production Affecting the Hydrological Cycle	◐ 3004-410 (Trempe) Inland Water Ecosystems	
	○ 3202-430 (Fangmeier) Air Pollution and Air Pollution Control		<del>◐ 3301-450 (Müller, T.) Fertilisation and Appl. Soil Chem. unblocked!</del>	○ 4602-460 (Hölzle) Environmental Microbiology, Parasitology ...		
	○ 4904-460 (Berger) Farm System Modelling		○ 4403-530 (Müller, J.) Nat. Resource Managem.	◐ 3202-420 (Fangmeier) Global Change Issues		
	○ 4901-420 (Zeller) Poverty and Dev. Strategies			◐ 4904-430 (Berger) Land Use Economics		
	○ 3101-410 (Stahr) Trop. Soil and Land Evaluation					

# Blocked Modules Summer Semester 2011

25.08.2010

● = Compulsory

◐ = Semi-elective

○ = Elective

Study Course	Period		6 (17 days)	7 (17 days)	8 (17 days)	9 (17 days)	10 (17 days)	by Arrangement
			04.04. - 28.04.2011	29.04. - 23.05.2011	24.05. - 17.06.2011	20.06. - 13.07.2011	14.07. - 05.08.2011	
M. Sc. AgEcon				● 4101-410 (Dabbert) Environmental and Resource Economics	● 4201-410 (Grethe) Agricultural and Food Policy	◐ 4902-420 (Brockmeier) International Food and Agricultural Trade		
M. Sc. AgriTropics	● 3803-470 (Asch) Interdisciplinary Practical Science Training			○ 4901-430 (Zeller) Rural Development Policy and Institutions	○ 4201-410 (Grethe) Agricultural and Food Policy	○ 4902-420 (Brockmeier) International Food and Agricultural Trade	○ 4902-430 (Brockmeier) Food and Nutrition Security	
	● 3802-410 (Sauerborn) Ecology and Agroecosystems (B2!)			○ 3801-430 (Cadisch) Integrated Agricultural Production Systems	○ 3802-420 (Sauerborn) Biodiversity, Plant and Animal Gen. Resources	○ 4403-470 (Müller, J.) Renewable Energy f. Rural Areas	○ 3803-430 (Asch) Ecophysiology of Crops in the T+S	
				○ 4801-410 (Valle Zárate) Genetic Resources and Animal Husbandry Systems	○ 4403-550 (Müller, J.) Postharvest Technology of Food and Bio-Based Prod.	○ 4802-430 (Focken) Integration of Aquacult. in Agricult. Farm. Systems	○ 4602-450 (Hözl) Food Safety a. Drinking Water Quality related to Zoonoses in the T+S	
M. Sc. Crop Sciences	◐ 3602-460 (Gerhards) Information Technologies.. ○ 4404-410 (Köller) Precision Farming							
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		
	◐ 3802-410 (Sauerborn) Ecology and Agroecosystems				◐ 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		
	◐ 3802-410 (Sauerborn) Ecology and Agroecosystems				◐ 4201-410 (Grethe) Agricultural and Food Policy	○ 4403-470 (Müller, J.) Renewable Energy for Rural Areas		
M. Sc. OrganicFood							● 4801-460 (Valle Zárate) Organic Livestock Farming and Products	
M. Sc. Saiwam (Hohenheim)	● 3101-520 (Stahr) Interdisciplinary Study Project			● 3103-450 (Streck) Spatial Data Analys. with GIS		● 4802-430 (Focken) Integration of Aquaculture in Agricult. Farming Systems		
				● 4901-430 (Zeller) Rural Dev. Policy and Instit.				
M. Sc. Saiwam (Chiang Mai)	Intro duction	● 3101-510 (Stahr)	● 4901-460 (Zeller)	● 3703-420 (Wünsche)	● 4801-470 (Valle Zaraté)	● 4403-510 (Müller, J.)		

## Unlocked Modules taught in English at the Faculty of Agricultural Sciences

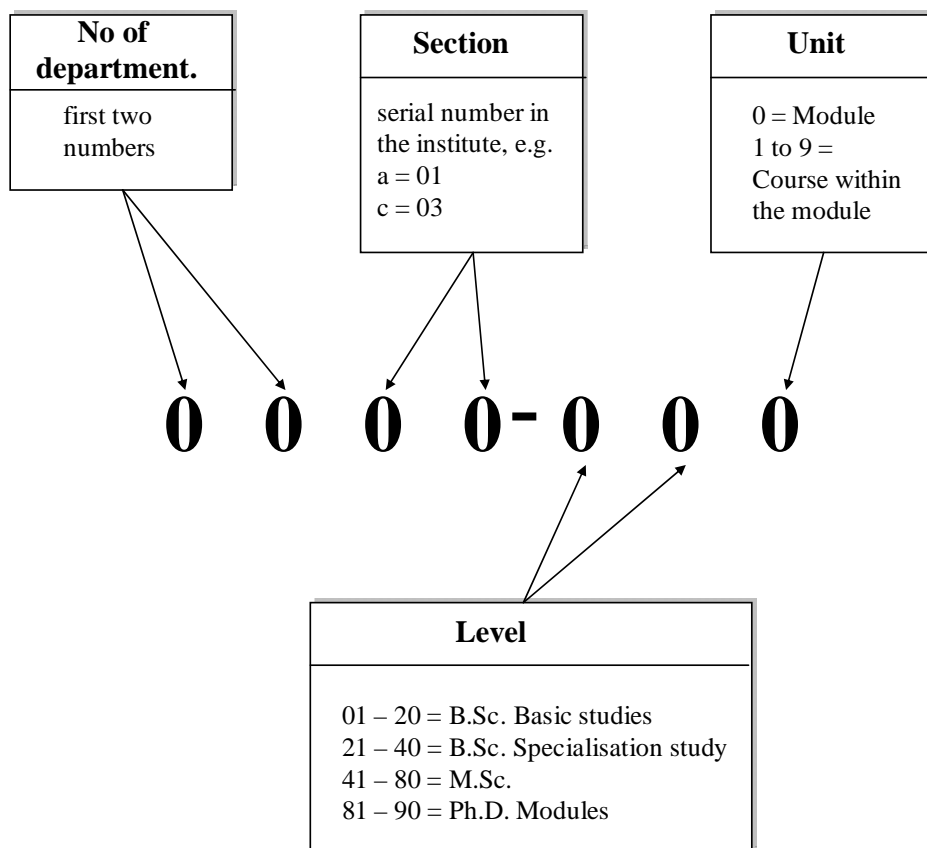
● = Compulsory

◐ = Semi-elective

○ = Elective

AgEcon	Agri-Tropics	Crop Sciences	EnvEuro	Enviro-Food	Organic-Food	
<b>Unlocked Modules in Winter Term (October - February)</b>						
○	○	○	◐	◐	○	1201-410 (Wulfmeyer) Remote Sensing
-	-	-	●	-	-	3005-410 (Henriksen) Environmental Management in Europe ( <i>for EnvEuro only!</i> )
○	○	○		○	○	3101-450 (Stahr) Major Pedological Field Trip (English + German)
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences (English + German)
○	○	○	○	○	○	3102-450 (Kandeler) Molecular Soil Ecology ( <i>will not be offered in WS 10/11!</i> )
○	○	○		○	○	3301-440 (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
○	○	○	○	○	○	3301-450 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S
○	○	◐		○	○	3302-450 (Neumann) Plant Symbioses for Nutrient Acquisition
○	○	◐		○	○	3302-460 (N.N.) Plant Quality
○	○	●		○	○	3401-470 (Claupein) Crop Physiology
○	●	○	●	○	○	3402-420 (Piepho) Quantitative Methods in Biosciences
○	○	○		○	○	3405-450 (Zikeli) Problems and Perspectives of Organic Farming
○	○	○		○	●	3405-460 (Zikeli) Processing and Quality of Organic Food
○	○	○		○	●	3405-470 (Zikeli) Organic Food Systems and Concepts
○	○	◐		○	○	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 ( <i>moved to WS!!!</i> )
○	○	◐		○	○	3602-450 (Gerhards) Molecular Aspects of Plant Protection
○	○	◐		○	○	3603-480 (Zebitz) Entomology
○	○	○		○	●	4101-430 (Dabbert) Socioeconomics of Organic Farming
○	○	○	◐	●	○	4201-440 (Grethe) Economics and Environmental Policy
○	○	○		○	●	4303-440 (Bellows) Social Conditions of Organic and Sustainable Agriculture
○	○	○	○	○	○	4303-490 (Bellows) Ethics of Food and Nutrition Security
○	●	○		○	○	4403-480 (Asch) Interdisciplinary Case Study ( <i>enrolment before WS 10/11</i> )
○	○	○	◐	◐	○	4406-410 (Kranert) Waste Management and Waste Techniques
◐	○	○		○	○	4904-410 (Berger) Agricultural Economics Seminar
<b>Unlocked Modules in Summer Term (April - July)</b>						
-	-	-	◐	-	-	3005-420 (Henriksen) Climate Change Impacts, Adaptation a. Mitigation ( <i>EnvEuro !</i> )
○	○	○	○	○	○	3101-430 (Stahr) Interdisciplinary Advanced Soil Science Project ( <i>English + German</i> )
○	○	○	○	○	○	3101-440 (Stahr) Soil Genesis, Classification and Geography ( <i>English + German</i> )
○	○	○	○	○	○	3101-450 (Stahr) Major Pedological Field Trip ( <i>English + German</i> )
○	○	○	◐	○	○	3101-460 (Stahr) Mapping Course: Soils and Vegetation ( <i>overlapping B7 and B8!</i> )
○	○	○	○	○	○	3102-420 (Kandeler) Project in Soil Sciences ( <i>English + German</i> )
⊕	⊕	⊕		⊕	⊕	3201-410 (Böcker) Field Course in Site Ecology (Meteorology, Soil Ecology, Vegetation Ecology) with Seminar ( <i>English + German</i> )
○	○	○	◐	○	○	3401-450 (Claupein) Conservation Agriculture
○	○	○		○	●	3401-460 (Claupein) Organic Plant Production
○	○	●		○	○	3402-430 (Piepho) Bioinformatics
○	○	○		○	●	3405-490 (Zikeli) Organic Food Chain Project in Organic Agricult. and Food Systems
○	○	◐		○	○	3501-450 (Melchinger) Breeding Methodology
⊕	⊕	◐		⊕	⊕	3602-460 (Gerhards) Information Technologies and Expert Systems .. ( <i>blocked B6</i> )
○	○	○		○	○	3603-420 (Zebitz) Crop Protection in Organic Farming
○	○	◐		○	○	3603-470 (Zebitz) Ecology of Insects ( <i>moved to SS!!!</i> )
○	○	◐		○	○	3703-430 (Wünsche) Crop – Environment Interactions
-	●	-	-	-	-	4903-460 (Birner) Methods in Interdisciplinary Collaboration ( <i>for AgriTropics only!</i> )
●	○	○		○	○	4202-420 (Becker. T.) Microeconomics
○	○	○		○	●	4202-440 (Becker. T.) Markets and Marketing of Organic Food
◐	○	○		◐	○	4303-470 (Bellows) Gender, Nutrition, and Right to Food
○	○	○		◐	○	4303-480 (Bellows) Global Nutrition

## Explanation of Module Code



<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>					

# Lecture Periods

<b>WS 10/11</b>	<b>First day:</b>	(42. KW) Monday, 18.10.2010
	<b>Last day of un-blocked modules:</b>	(5. KW) Saturday, 05.02.2011
	<b>End of Block B5</b>	Wednesday, 02.03.2011
<b>SS 11</b>	<b>Start of Block B6</b>	Monday, 04.04.2011
	<b>First day of un-blocked modules:</b>	(14. KW) Monday, 04.04.2011
	<b>Last day of un-blocked modules:</b>	(28. KW) Saturday, 16.07.2011
	<b>End of Block B10</b>	Friday, 05.08.2011

Christmas holidays 2010/11: 27.12.2010 – 08.01.2011 (blocks: 24.12. – 08.01.)

Easter holidays 2011: 22. – 25.04.2011

Pentecost holidays 2011: 14.06.2011 – 18.06.2011 (except excursions+block 8+9)

The “Dies Academicus” (date not yet known!) will be free of lectures too!

## Examination periods in winter semester 2010/11

**B.Sc. and M.Sc. period 1:** calendar week 6 to 8

**B.Sc. and M.Sc.: period 2:** calendar week 11 to 13

**Deadline for the registration for exams:** see notice-board of examination office

## Examination periods in summer semester 2011

**B.Sc. and M.Sc. period 1:** calendar week 29 to 31

**B.Sc. and M.Sc.: period 2:** calendar week 40 to 41

**Deadline for the registration for exams:** see notice-board of examination office

A registration form is available at 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>).