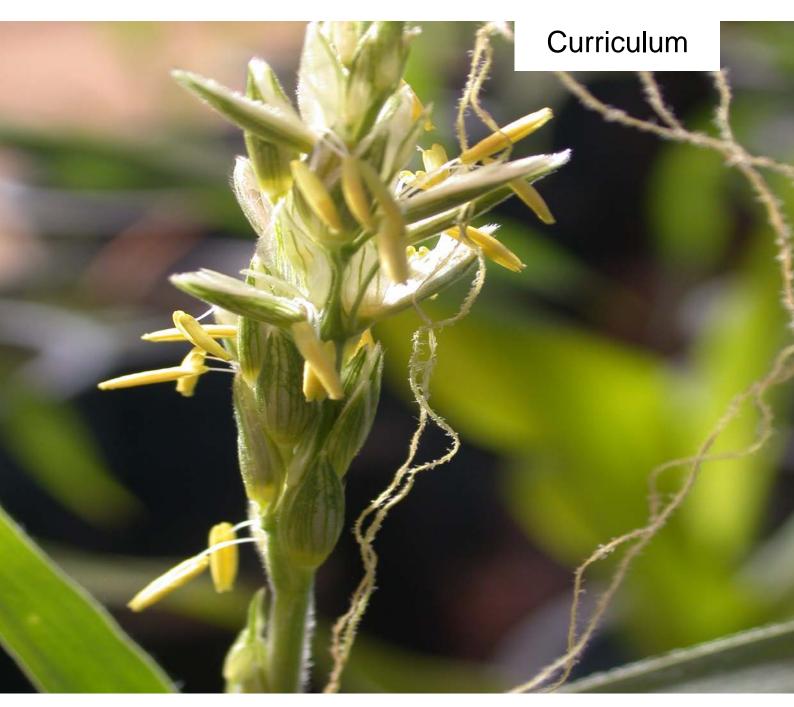
UNIVERSITÄT HOHENHEIM FAKULTÄT AGRARWISSENSCHAFTEN



# **Crop Sciences** Master of Science



March 2014

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## Preamble

This curriculum provides applicants and students as well as teaching and administrative staff with information about the M.Sc. programme "Crop Sciences". It contains information on the programme structure and summarizes the most important examination 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 provided without liability.

If in doubt, please refer to the co-ordinator of the programme (cropsciences@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 offered at the University of Hohenheim 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.unihohenheim.de.

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	The Master's Programme "Crop Sciences"
Programme Objectives	The goal of crop sciences is to develop crops and cropping systems with high- est possible efficiency in converting light and supplemental resource into food, feed, and fiber. Biological, physiological, molecular genetic and biometric principles are applied and graduates are prepared to develop cropping systems that are profitable and ecologically sustainable.
Programme Design for beginners until WS 13/14	The two-year M.Sc. programme "Crop Sciences" comprises four semesters, during which fifteen thematic modules, three compulsory modules, five semi- elective, seven elective modules, and the Master Thesis have to be completed. That is a total of 15 modules over three semesters. One semester remains for the thesis work.
	One of the following majors has to be chosen and upon request the title of the chosen major can be reported in the transcript of records.
	<ul> <li>"Crop Physiology and Nutrition"</li> <li>"Plant Breeding and Seed Science"</li> <li>"Crop Protection"</li> </ul>
	The full programme has an extent of 120 ECTS and is constructed by 4 semesters each with 30 ECTS-credits. The language of instruction is English.
Programme Design for beginners WS 14/15	The two-year M.Sc. programme "Crop Sciences" comprises four semesters, during which thematic modules and the Master Thesis have to be completed.
	One of the following majors has to be chosen and the title of the chosen major will be reported in the transcript of records.
	<ul> <li>"Plant Breeding and Seed Science"</li> <li>"Plant Nutrition and Protection "</li> </ul>
	The full programme has an extent of 120 ECTS credits and is constructed by 4 semesters each with 30 ECTS-credits. The language of instruction is English and the programme can be started in October (winter semester) each year.
Modules	Most modules last the full length of the semester. Until summer 2014 some modules are offered as blocked courses lasting three and a half weeks (B1 to $B5 =$ winter semester, $B6 - B10 =$ summer). From 2014/15 on 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).
Module Descriptions	For the contents of all modules see: <u>www.uni-hohenheim.de/modulkatalog</u> .
Individual Timetable	The Course Catalogue of 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: <u>www.uni-hohenheim.de</u> . 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.

Programme Design for those who begun the programme until WS 13/14:

## Stucture of major "Crop Physiology and Nutrition"

Stucture of major "Plant Breeding and Seed Science"

	1. Semester	2. Semester	3. Semester	4. Semester	
	r. Semester		3. Semester	4. Jemester	
6 Credits	3401-470 Crop Physiology	3402-450 Advanced Statisti- cal Methods for Metric and Cate- gorical Data	Elective module		
6 Credits	3502-440 Methods of Scien- tific Working (for Crop Sciences)	3703-430 Crop – Environ- ment Interactions	Elective module	nesis ts)	
6 Credits	3302-460 Plant Quality	3302-490 Rhizosphere Pro- cesses	Elective module	Master Thesis (30 credits)	
6 Credits	3302-450 Plant Symbioses for Nutrient Ac- quisition	Elective module	Elective module	Ž	
6 Credits	3301-460 Exercises in Plant Nutrition	Elective module	Elective module		
	1. Semester	2. Semester	3. Semester	4. Semester	
6 Credits	1. Semester3401-470Crop Physiology	2. Semester 3402-450 Advanced Statisti- cal Methods for Metric and Cate- gorical Data	3. Semester 3501-460 Planning of Breeding Pro- grammes	4. Semester	
6 Credits 6 Credits	3401-470	3402-450 Advanced Statisti- cal Methods for Metric and Cate-	3501-460 Planning of Breeding Pro-		
Credits	3401-470 Crop Physiology 3502-440 Methods of Scien- tific Working (for	3402-450 Advanced Statisti- cal Methods for Metric and Cate- gorical Data 3501-450 Breeding Method-	3501-460 Planning of Breeding Pro- grammes 3501-470		
6 Credits	3401-470 Crop Physiology 3502-440 Methods of Scien- tific Working (for Crop Sciences) 3502-450 Population and Quantitative Ge-	3402-450 Advanced Statisti- cal Methods for Metric and Cate- gorical Data 3501-450 Breeding Method- ology	3501-460 Planning of Breeding Pro- grammes 3501-470 Selection Theory 3504-430	<b>7. Semester Thesis</b> (30 credits)	

## Stucture of major "Crop Protection"

	1. Semester	2. Semester	3. Semester	4. Semester
6 Credits	3401-470 Crop Physiology	3402-450 Advanced Statisti- cal Methods for Metric and Cate- gorical Data	3603-470 Ecology of In- sects	
6 Credits	3502-440 <b>Methods of Scien- tific Working</b> (for Crop Sciences)	3602-460 Information Tech- nologies and Ex- pert Systems in Plant Protection	3601-460 Molecular Phy- topathology	<b>'hesis</b> lits)
6 Credits	3603-480 <b>Entomology</b>	Elective module	Elective module	Master Thesis (30 credits)
6 Credits	3602-450 Molecular Aspects of Plant Protection	Elective module	Elective module	
6 Credits	Elective module	Elective module	Elective module	

Stucture of major "Plant Breeding and Seed Science"

Stucture of major "Plant Nutrition and Protection"

	1. Semester	2. Semester	3. Semester	4. Semester
6 Credits	3502-440 <b>Methods of Scien-</b> <b>tific Working</b> (for Crop Sciences)	3402-450 Advanced Statisti- cal Methods for Metric and Cate- gorical Data	3501-460 Planning of Breeding Pro- grammes	
6 Credits	3502-450 Population and Quantitative Ge- netics	3501-450 Breeding Method- ology	3501-470 Selection Theory	tesis ts)
6 Credits	Elective Module	3504-430 Seed Research	Elective module	Master Thesis (30 credits)
6 Credits	Elective Module	Elective module	Elective module	A
6 Credits	Elective Module	Elective module	Elective module	

	1. Semester	2. Semester	3. Semester	4. Semester
6 Credits	3502-440 Methods of Scien- tific Working (for Crop Sciences)	Elective module	Elective module	
6 Credits	3302-500 <b>Methods in Molec-</b>	Elective module	Elective module	sis ()
6 Credits	ular Biology and Biotechnology	Elective module	Elective module	Master Thesis (30 credits)
6 Credits	3302-440 Physiology and Biochemistry of Crops	Elective module	Elective module	Me ()
6 Credits	3503-450 From Genes to Transgenic Plants	Elective module	Elective module	

Instead of choosing fife elective modules (each 6 credits) the major "Plant Nutrition and Protection" offers the possibility to choose four blocked modules (each 7.5 credits) offered by the Faculties of Agricultural Sciences and/or Natural Sciences during the second and/or the third semester. Choosing modules of the Faculty of Natural Sciences requires the approval of a mentor and a request to the examination board.

For those who begun the programme until WS 13/14 the modules are listed below. For details about contents, lecturers and methods of instruction refer to the module description site (www.uni-hohenheim.de/modulkatalog).

#### The compulsory modules are:

Sem		Modules	Block	Exam	Professor
1	3401-470	Crop Physiology (WS 13/14	unblocked	oral	Claupein
1	3502-440	Methods of Scientific Wor-	unblocked	written	Schmid
		king for Crop Sciences			
2	3402-450	Advanced Statistical Me-	unblocked	written	Piepho
		thods for Metric and Cate-			
		gorical Data*			

\* Contents of 3402-430 "Quantitative Methods in Biosciences" are required.

One of the following three majors (including all listed modules) has to be chosen: *Major: Crop Physiology and Nutrition* (responsible scientist: LUDEWIG)

Sem		Modules	Block	Exam	Professor
1	3302-460	Plant Quality	unblocked	wr.+ICA	Ludewig
1	3302-450	Plant Symbioses for Nu-	unblocked	oral	Neumann
		trient Acquisition			
1/3	3301-460	Exercises in Plant Nutri-	after	written	Müller, T.
		tion (until WS 13/14)	block 5		
2	3703-430	Crop – Environment Inter-	unblocked	oral	Wünsche
		actions (until WS 13/14)			
2	3302-490	Rhizosphere Processes -	unblocked	oral	Neumann
		Nutrient Acquisition and			
		Stress Adaptations			
		of Higher Plants			

ICA = in-course assessment

#### Major: Plant Breeding and Seed Science (responsible scientist: SCHMID)

Sem		Modules	Block	Exam	Professor
1	3502-450	Population and Quantita-	unblocked	written	Schmid
		tive Genetics			
2	3501-450	Breeding Methodology	unblocked	written	Melchinger
3	3501-460	Planning of Breeding Pro-	block 3	written	Melchinger
		grammes		with ICA	
3	3501-470	Selection Theory	unblocked	written	Melchinger
3	3504-430	Seed Research	unblocked	oral	Kruse

Major: Crop Protection (responsible scientist: VÖGELE)

Sem		Modules	Block	Exam	Professor
1	3603-490	<b>Biological Pest Control</b>	unblocked	written	Zebitz
1	3603-480	Entomology	unblocked	written	Zebitz
1	3602-450	Molecular Aspects of	unblocked	written	Gerhards
		Plant Protection			
3	3601-460	Molecular Phytopathology	Partly blo-	written	Vögele
			cked in B5		
2	3602-460	Information Technologies	block 8	written	Gerhards
		and Expert Systems in			
		Plant Protection**			

\*\* early registration for participation, as described in the module catalogue!

The seven **elective modules** can be chosen from the other majors, from the listing below or from the modules of other Master programmes of the faculty of Agricultural Sciences of the University of Hohenheim.

Suggestions for Elective Modules (as offered until SS 2014)

Sem		Modules	Block	Exam	Professor
	2201 470				Müller, T.
1/3	3301-470	Fertilisation and Applied	e-learning	oral	winner, 1.
or 2/4		Soil Chemistry in the			
2/4	2201 440	Tropics and Subtropics		<b>1</b>	Müller, T.
1/3	3301-440	Soil Fertility and Fertilisa-	unblocked	oral	Muller, 1.
1/0	2202 450	tion in Organic Farming	11 1 1	1	N
1/3	3302-450	Plant Symbioses for Nu-	unblocked	oral	Neumann
1 10	2001 420	trient Acquisition		•	
1/3	3801-420	Crop Production Systems	block 4	written	Cadisch
1/3	3803-450	Crop Production Affecting	block 4	oral	Asch
		the Hydrological Cycle			
1/3	3405-410	Organic Farming in the	block 5	written	Zikeli
		Tropics and Subtropics			
1/3	3301-460	Exercises in Plant Nutri-	after	written	Müller, T.
		tion (until WS 13/14)	block 5		
2	3401-450	Conservation Agriculture	unblocked	oral	Claupein
				with	
				ICA	
2	3502-470	Plant Genetic Resources	unblocked	written	Schmid
2	3504-440	Seed Technology	unblocked	oral+ICA	Kruse
2	3503-450	From Genes to Transgenic	unblocked	written	Weber
		Plants			
2	3802-420	Biodiversity, Plant and	block 8	written	Sauerborn
		Animal Genetic Resources			
2	3803-430	Ecophysiology of Crops in	block 10	oral	Asch
		the Tropics and Subtropics			
2	3603-500	Exercises in Biological	block 10	written	Zebitz
		Pest Control			
2	3501-480	Breeding of Tropical, Or-	block 10	written	Melchinger
		namental, and Vegetable		+ICA	_
		Plants			
3	3503-460	Transgenic Organisms in	unblocked	written	Weber
-		Research and Agriculture			
3	3802-410*	Ecology and Agroecosys-	block 2	written	Sauerborn
-		tems			
ICA	т	assassment	1	1	I

ICA = In-course-assessment

\* The number of places is limited. You are requested to register for participation via ILIAS. The registration frame will be open from Sept 10th to Oct 10th.

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

With the approval of the examination board, study and examinations of up to fife of these elective modules/30 ECTS credits can be chosen from other programmes of the University of Hohenheim as well as from other German or foreign universities.

#### Modules for those who begin the programme in WS 14/15 or later:

#### Major: Plant Breeding and Seed Science

The **compulsory modules** (42 credits) are from winter semester 2014/15 on:

Sem	Code	Name of Module	Duration	Credits	Professor
		Methods of Scientific Wor-	1 Semester		
1	3502-440	king (for Crop Sciences)	(in the morning)	6	Schmid
		Population and Quantita-	1 Semester		
1	3502-450	tive Genetics		6	Schmid
2	3501-450	Breeding Methodology	1 Semester	6	Melchinger
2	3504-430	Seed Research	1 Semester	6	Kruse
		Advanced Statistical	1 Semester		
		Methods for Metric and			
2	3402-450	Categorical Data		6	Piepho
			First half of		
3	3501-470	Selection Theory	Semester	6	Melchinger
		Planning of Breeding Pro-	Second half		
3	3501-460	grammes	of semester	6	Melchinger

The **elective modules** can be chosen from the listing below or from the modules of other Master programmes of the faculty of Agricultural Sciences of the University of Hohenheim. On request to the examination board and with the approval of a mentor, modules can be chosen from other programmes of the University of Hohenheim.

Suggestions for **elective modules** (48 credits have to be chosen) for **Plant Breeding and Seed Science**:

Sem	Code	Name of Module	Duration	Credits	Professor
1-4	3000-410	Portfolio-Module (Master)	Not defined	1 - 7,5	Müller, T.
1	3302-440	Physiology and Biochemis-	1 Semester	6	Ludewig
		try of Crops	(in the morning)		
		Quantitative Methods in	1 Semester		
1/3	3402-420	Biosciences		6	Piepho
1	3504-440	Seed Technology	1 Semester	6	Kruse
		Biologische Sicherheit und			
1	4602-500	Gentechnikrecht	In March	7,5	Beyer
		Breeding of Tropical, Orna-	1 Semester		
		mental, and Vegetable			
2	3501-480	Plants		6	Melchinger
2	3502-470	Plant Genetic Resources	1 Semester	6	Schmid
		Advanced Statistical	1 Semester		
		Methods for Metric and			
3	3402-460	Categorical Data II		6	Piepho
		Quantitative Methods in	1 Semester		
		Plant and Livestock Ge-			
3	3502-810	nomics		6	Schmid
		From Genes to Transgenic	1 Semester		
3	3503-450	Plants	(in the morning)	6	Scholten
2	3503-470	<b>Basics of Bioinformatics</b>	1 Semester	6	Scholten

#### Major: Plant Nutrition and Protection

Sem	Code	Name of Module	Duration	Credits	Professor
1	3502-440	Methods of Scientific Work- ing (for Crop Sciences)	1 Semester (in the morning)	6	Schmid
		Physiology and Biochemis-	1 Semester		
1	3302-440	try of Crops	(in the morning)	6	Ludewig
		From Genes to Transgenic	1 Semester		
1	3503-450	Plants	(in the morning)	6	Scholten
		Methods in Molecular Bi-	1 Semester		
1	3302-500	ology and Biotechnology	(in the afternoon)	12	Ludewig

The **compulsory modules** (30 credits) are from winter semester 2014/15 on:

The **elective modules** can be chosen from the listing below or from the modules of other Master programmes of the faculty of Agricultural Sciences of the University of Hohenheim. On request to the examination board and with the approval of a mentor, modules can be chosen from other programmes of the University of Hohenheim.

Suggestions for **elective modules** (60 credits have to be chosen) *for Plant Nu-trition and Protection*:

Sem	Code	Name of Module	Duration	Credits	Professor
1-4	3000-410	Portfolio-Module (Master)	Not defined	1 - 7,5	Müller, T.
		Quantitative Methods in	1 Semester		
1	3402-420	Biosciences		6	Piepho
1	4602-500	Biologische Sicherheit und	In March		Beyer
		Gentechnikrecht		7,5	
2	3302-430	Molecular Plant Nutrition	1 Semester	6	Ludewig
		Rhizosphere Processes -	1 Semester		
		Nutrient Acquisition and			
		Stress Adaptations			
2	3302-490	of Higher Plants		6	Neumann
2	3401-450	Conservation Agriculture	1 Semester	6	Claupein
2	3402-450	Advanced Statistical	1 Semester		Piepho
		Methods for Metric and			
		Categorical Data		6	
2	3502-470	Plant Genetic Resources	1 Semester	6	Schmid
		Information Technologies	1 Semester		
		and Expert Systems in	(partly blocked)		
2	3602-460	Plant Protection		6	Gerhards
		Crop Protection in Organic	1 Semester		
2	3603-420	Farming		6	Zebitz
2	3603-490	Biological Pest Control	1 Semester	6	Zebitz
2	3603-500	Exercises in Biological Pest	Summer		Zebitz
		Control	school	7,5	
		Qualitätsrelevante In-	1 Semester		
		haltsstoffe von Nutzpflan-			Graeff-
2	3701-420	zen		6	Hönninger
		Biotechnologische Metho-	1 Semester		
2	3701-450	den in der Landwirtschaft		6	Zörb
		Plant Symbioses for Nutri-	1 Semester		
3	3302-450	ent Acquisition		6	Neumann
3	3302-460	Plant Quality	1 Semester	6	Ludewig

Sem	Code	Name of Module	Duration	Credits	Professor
			1 Semester		
3	3601-460	Molecular Phytopathology	(partly blocked)	6	Vögele
		Molecular Aspects of Plant	1 Semester		
3	3602-450	Protection		6	Gerhards
3	3603-480	Entomology	1 Semester	6	Zebitz
		Forschungsaspekte quali-	1 Semester		
		tätsrelevanter Inhaltsstof-			Graeff-
3	3701-440	fe		6	Hönninger
3	3801-420	Crop Production Systems	1 Semester	6	Cadisch
3	3102-410	Applied Microbiology	1 Semester	6	Kandeler
2/3	3301-480	Fertilisation and Soil Fertil-	e-learning		Müller, T.
		ity management in the			
		Tropics and Subtropics		6	

Suggestions for **elective modules** offered by the **Faculty of Natural Sciences** (*Choosing modules of the Faculty of Natural Sciences requires the approval of a mentor and a request to the examination board*):

Sem	Code	Name of Module	Duration	Credits	Professor
2	1101-430	Modelling and Simula-	Block ?, SS	7,5	Kügler
		tion of Biochemical Re-			
		action Networks			
2	1302-430	Naturstoffanalyse	Block ?, SS	7,5	Beifuß
2	2102-420	Bioaktive Pflanzenstoffe	Block ?, SS	7,5	Spring
2	2402-410	Molekulare Virologie	Block ?, SS	7 <i>,</i> 5	Pfitzner
2	2402-420	Angewandte molekulare	Block ?, SS	7,5	Pfitzner
		Virologie			
2	2601-430	Entwicklungsbiologie	Block ?, SS	7 <i>,</i> 5	Schaller
		der Pflanzen*			
3	2103-420	Zellbiologie parasiti-	Block ?, WS	7 <i>,</i> 5	Küppers
		scher und symbionti-			
		scher Interaktionen bei			
		Pflanzen			
3	2601-410	Pflanze-Pathogen Inter-	Block ?, WS	7 <i>,</i> 5	Schaller
		aktionen*			
3	2602-500	Regulatorische Prin-	Block ?, WS	7,5	Schulze
		zipien pflanzlicher Sig-			
		naltransduktionswege			

\* Limited number of participants!

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

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.

	mar	ks and	grades
	grade	es	mark
excellent performance	very good	А	1.0
		A-	1.3
performance considerably exceed-	good	B+	1.7
ing the above average standard		В	2.0
		B-	2.3
performance meeting the average	medium	C+	2.7
standard		С	3.0
		C-	3.3
performance meeting minimum	pass	D+	3.7
criteria		D	4.0
performance not meeting minimum criteria	fail	F	5.0

**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 month of study each student's study and examination plan has to be approved by the coordianator or the respective personal mentor. In the study and examination plan all chosen modules have to be 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. Exchanges of modules need to be approved. From WS 14/15 on only 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** Each module is examined upon completion in an oral or a written exam. The examination may be divided in sections which can be weighted differently. The weighting of the partial performances (in-course assessments = ICA) is written down in the module descriptions. The examinations of the modules should be taken within the semester scheduled in this curriculum. 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 three compulsory modules offered in the first and second semester. The registration for the examination of the semi-elective and elective modules will take place by submitting the verified study and examination plan to the examination office. The study and examination plan has to be submitted one week before the first examination of a semi-elective or elective module at the latest. Withdrawal on the first trial of each module examination is possible up to 7 days before the examination date. The examination will be postponed to the next possible examination period.

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 homework, presentations, and to the thesis and the final digital text document has to be transferred to the mentoring supervisor.

The claim for examination expires if:

	<ul> <li>a minimum of six examinations has not been passed by the end of the second semester at the latest</li> <li>an examination of one of the modules has not been passed by the end of the sixth semester at the latest</li> <li>in one of the 15 modules an exam has to be repeated more than two times.</li> </ul>
	The claim for examinations does not expire, if the candidate cannot be held re- sponsible 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 regu- lations and a leaflet on registration ( <u>https://pruefungsamt.uni-hohenheim.de</u> ) are distributed by the examination office.
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. Stu- dents 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 "Crop Sciences", within a fixed period of time by applying scientific methods. The exam consists of a written part (thesis) and an oral presentation (defence). The candidate has to defend the essential argu- ments, 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 appro- priate. Thesis work can pursue empirical or theoretical questions related to on- going research projects but students' own initiatives and ideas are certainly welcome. It includes a literature review as well as new and original data de- rived from field and or laboratory work. 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 <b>anonymous</b> format. The lecturers are asked to discuss the results with the students at the end of their courses.
Academic calendar	In the winter semester (WS) courses usually begin in week 42 and end in week 6 or 7 of the new year. In the summer semester (SS) courses usually begin the first Monday in April and end in week 30, 31, or 32. For un-blocked modules the lecture period of each semester is followed by an ex-amination period of three weeks. The last block period of each semester has an overlapping with this examination period of the unblocked modules.
Mentoring	<ul> <li>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. The following scientists have been appointed as mentors:</li> <li>Plant Breeding and Seed Science: <ul> <li>Prof. Dr. Schmid (Crop Biodiversity and Breeding Informatics, 350)</li> </ul> </li> <li>Plant Nutrition and Protection: <ul> <li>Prof. Dr. Ludewig (Nutritional Crop Physiology, 340)</li> <li>Prof. Dr. Neumann (Nutritional Crop Physiology, 340)</li> <li>Prof. Dr. Zebitz (Applied Entomology, 360)</li> <li>Prof. Dr. Voegele (Phytopathology, 360)</li> </ul> </li> </ul>

Academic advisor	<ul> <li>providing specific information on the disciplines:</li> <li>Dr. Tobias Schrag (tobias.schrag@uni-hohenheim.de, phone: 459-23483)</li> </ul>
Study Abroad	Students are encouraged to spend one semester in the second year at a partner university abroad, to gain additional experience and further strengthen their individual profile. Our credit point system is intended to facilitate the mutual acceptance of courses attended at different universities. Assessment is based on the European Credit Transfer System (ECTS), which facilitates such kind of international mobility. German students are strongly advised to spend a se- mester abroad. Particularly, the third semester is suitable for integrated study abroad. Students will preferably spend this time at one of the partner universi- ties of the Euroleague for Life Sciences: Universität für Bodenkultur Wien (BOKU), Austria; Royal Veterinary and Agricultural University (KVL), Den- mark; Swedish University of Agricultural Sciences (SLU), Sweden; Wa- geningen University, Netherlands; Czech University of Agriculture (CUA), Czech Republic, Warsaw Agricultural University (SGGW), Poland. On the basis of an agreement on quality standards the members of the Euro League for Life Sciences have agreed to mutually recognize study achievements. Quantitative parity of study achievements is based on the European Credit Transfer System (ECTS). Students may also request to spend the semester at universities other than mentioned above.
Degree	After successful completion of all modules as well as the thesis, the student is awarded the degree "Master of Science" (M.Sc.) in Crop Sciences. This degree entitles the student to continue with a Ph.D./doctoral programme if the total grade is above average.
Responsible Scientist	Prof. Dr. C. Zebitz Department of Applied Entomology
Professors in charge of the majors	Prof. Dr. U. Ludewig, Nutritional Crop Physiology Prof. Dr. K. Schmid, Crop Biodiversity and Breeding Informatics Prof. Dr. R. Voegele, Phytopathology
Contact	Programme Coordinator Crop Sciences Kerstin Hoffbauer University of Hohenheim (790) 70593 Stuttgart Germany Tel. +49-(0) 711-459-23328 Fax +49-(0) 711-459-23315 E-mail: cropsciences@uni-hohenheim.de http://www.uni-hohenheim.de/cropsciences

## Block Periods 2013/2014

	Block	Period
<u> </u>	1	14.10 06.11.2013
Winter Semester	2	07.11 29.11.2013
Sem	3	02.12 20.12.2013
er (		+07.0108.01.2014
Vint	4	09.01 31.01.2014
	5	03.02 25.02.2014
	6	01.04 25.04.2014
Semester	7	28.04 21.05.2014
Sen	8	22.05 06.06.2014
ner		+ 16.06 24.06.2014
Summer	9	25.06 18.07.2014
Š	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 2	2014/15		(1. examinat	tion period of unbl	ocked mod	dules: 09.0227.02.15)
	Block 1 (13.107.11.)	Block 2 (10.115.12)	.)	Block 3 (8.1216.1.)	<b>Block 4</b> (19)	.113.2.)	Holiday block(March)
Ecol	• 3201-560 (Schurr) Landscape Ecology	• 3201-570 (Schurr) Community and Evolu- tionary Ecology		• 3201-800 (Schurr) Conservation Biology	• 3202-440 (Fangmeier) Pl Ecology	ant	• <b>3003-410</b> (Schöne) Food Safety and Quality Chains
Econ.	○ <b>4904-460</b> (Berger) Farm	n System Modelling		9 <b>4901-420</b> (Zeller) Poverty an nent Strategies	nd Develop-	Prüfung	
ЕС	O 4904-430 (Berger) Land	d Use Economics	С	9 4901-470 (Zeller) Quant. Me	eth. i. Econom.	Prüfung	
Animal Sc.							<ul> <li>○ 4602-500 (Beyer)</li> <li>Biologische Sicherheit und</li> <li>Gentechnikrecht</li> <li>● 4502-410 (Mosenthin)</li> </ul>
Anin							Futterwertbeurteilung, FM- mikrobiologie und
	Summer Semester	2015		(1. examinat	tion period of unbl	ocked mod	dules: 27.0714.08.15)
	Block 1 (13.48.5.)	Block 2 (11.512.6.)	)	Block 3 (15.610.7.)	<b>Block 4</b> (13	.077.8.)	by arrangement
Crop S	• 3803-470 (Asch) Interdisciplinary Practi- cal Science Traíning (AgriTropics only!)	○ <b>3801-430</b> (Cadisch) Integrated Agricultural Production Systems		○ <b>3803-450</b> (Asch) Crop Production Affecting the Hydrological Cycle	○ <b>3803-430</b> (A Ecophysiology Crops in the T+	of	○ <b>3603-500</b> (Zebitz) Exercises in Biological Pest Control
Engin.		○ 4403-580 (Müller, J.) Water and Soil Manage ment in Agric. Produc- tion	é-	○ <b>4403-470</b> (Müller, J.) Renewable Energy f. Rural Areas	<ul> <li>4403-550 (M Postharvest Te of Food and Big Prod.</li> </ul>	chnology	
nal T + S		○ <b>4801-430</b> (Valle Zá- rate) Livestock Breedin Programmes …		<ul> <li>○ 4802-450 (Dickhöfer)</li> <li>Quant. Meth. in Anim.</li> <li>Nutrition +Veget. Scienc.</li> <li>○ 4602-450 (Hölzle)</li> <li>Food Safety a. Drinking</li> </ul>	O 4801-420 (V rate) Promotior stock in Trop. E	n of Live-	
c. Animal				Water Quality related to Zoonoses in the T+S O <b>4901-430</b> (Zeller)	○ <b>4303-480</b> (L		
Soc.				Rural Development Policy and Institutions	Global Nutritior	1	
gy		3802-420 (Sauerborn Biodiversity, Plant and Animal Gen. Resources	,				
Ecology	<ul> <li>3201-620 (Schmied- er) Vegetation and Soils of Central Europe</li> </ul>	<ul> <li>3201-590 (Schurr)</li> <li>Combining Ecological</li> <li>Modells and Data</li> </ul>		◀ 3101-570 (Hermann) Field Course Soils and Vegetation	3201-600 (S Intensive Cours Landscape Ecc	se	
Scienc.	<ul> <li>3103-450 (Streck)</li> <li>Spatial Data Analysis</li> <li>with GIS</li> </ul>	<ul> <li>3102-440 (Kandeler)</li> <li>Environmental Pollution and Soil Organisms</li> </ul>		<ul> <li>3101-580 (Rennert)</li> <li>Bodenschutz, Boden- bewertung, -sanierung</li> </ul>	• 3103-460 (S Environmental ence Project	Sci-	• <b>3102-420</b> (Kandeler) Bodenwissenschaftliches Experiment
Soil S	• <b>3102-450</b> (Kandeler) Molecular Soil Ecology	• 3101-560 (Rennert) Soils of the World			<ul> <li>3101-430 (R Interdiscipl. Ad Project (Engl.+</li> </ul>	v.Soil Śc. Ger.)	
nces	• 4701-490 (Stefanski) Verhaltensbiologie	<b>4702-510</b> (Bennewitz Zuchtplanung und Zuchtpraxis i. d		• 4701-480 (Stefanski) Verhaltensphysiologie und Immunobiologie	4501-450 (R huts.) Sp. Ernä Wiederkäuer	hr.	
Animal Sciences	• 4502-430 (Mosenthin) Methoden zur Analytik u. Qualitätsbeurt. von Futtermitteln	<ul> <li>47301-410(Rosenkran Bienen</li> <li>4601-410 (Amselgru Angew. Anatomie und klinische Umethoden</li> </ul>	ı.)		4602-490 (H Spezielle Tierh		

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

## **Blocked Modules Summer Semester 2014**

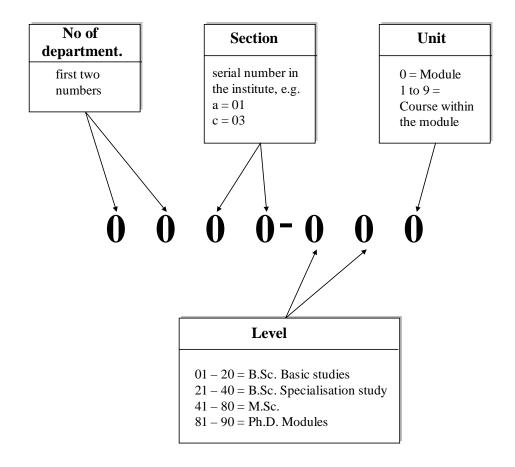
E Compulsory	I = Semi-elective	⊖= Elec	tive			
Period	<b>6</b> (17 days)	<b>7</b> (17 days)	<b>8</b> (17 days)	<b>9</b> (17 days)	<b>10</b> (17 days)	
	01.04 25.04.2014	28.04. –	22.05 06.06.2014 +	25.06	21.07	by Arrangement
Study Course	(unbl: 07.04.!)	21.05.2014	16.06 24.06.2014	18.07.2014	12.08.2014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

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

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

	= Coi	•				Semi-elective $\bigcirc$ = Elective
AgEcon		Crop Sciences			Organic- Food	
0	0	0			0	1201-410 (Wulfmeyer) Remote Sensing
						1201-580 (Wulfmeyer) Physics of the Earth System
-	-	-	•	-	-	<b>3005-410</b> (Fangmeier) Environmental Management in Europe (for EnvEuro only!)
0	Ф (	Φ	$\cap$	$\oplus$	$\oplus$	<b>3101-450</b> (Stahr) Major Pedological Field Trip (English + German)
0	0	0	0	0	0	<b>3102-420</b> (Kandeler) Project in Soil Sciences (English + German)
0	0	0	0	0	0	<b>3102-450</b> (Kandeler) Molecular Soil Ecology <b>3301-450</b> (Müller, T.) Soil Fertility and Fertilisation in Organic Farming
0	0	0	0	0	0	<b>3301-470</b> (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S ( <i>e-learning</i> !)
0	0		0	0	0	<b>3302-450</b> (Neumann) Plant Symbioses for Nutrient Acquisition
0	0			0	0	<b>3302-460</b> (Ludewig) Plant Quality
0	0	Ò		0	0	<b>3401-470</b> (Claupein) Crop Physiology
0	•	0		0	0	<b>3402-420</b> (Piepho) Quantitative Methods in Biosciences
0	0	0		0	$\bullet$	3405-460 (Zikeli) Processing and Quality of Organic Food
0	0	0		0		3405-470 (Zikeli) Organic Food Systems and Concepts
-	-	-	-	-		3405-500 (Zikeli) Principles of Organic Food Systems (for EurOrganic only!)
0	0			0	0	3501-470 (Melchinger) Selection Theory
		•				3502-440 (Schmid) Methods of Scientific Working for Crop Sciences
0	0			0	0	3502-450 (Schmid) Population and Quantitative Genetics
0	0			0	0	3504-430 (Kruse) Seed Research
0	0			0	0	3601-450 (Vögele) Phytopathology
0	0			0	0	3602-450 (Gerhards) Molecular Aspects of Plant Protection
0	0		-	0	0	3603-480 (Zebitz) Entomology
0	0	0		•	•	<b>4201-440</b> (Grethe) Economics and Environmental Policy
0	0	0	0	0	•	<b>4303-440</b> (I.V. Lemke) Social Conditions of Organic and Sustainable Agriculture <b>4303-490</b> (I.V. Lemke) Ethics of Food and Nutrition Security
0	0	0	0	$\cup$	$\cup$	
						1/10/-150 (Köller) Innovations in Agriculture
$\bigcirc$		$\cap$	4	4	$\cap$	4404-450 (Köller) Innovations in Agriculture
0	0	0	•	•	0 0	<b>4404-450</b> (Köller) Innovations in Agriculture <b>4406-410</b> (Kranert) Waste Management and Waste Techniques <b>4904-410</b> (Berger) Agricultural Economics Seminar
	0			0		<b>4406-410</b> (Kranert) Waste Management and Waste Techniques <b>4904-410</b> (Berger) Agricultural Economics Seminar
Econ	- Agri- Tropics	Lrop Ociences	▲ EnvEuro	- Enviro- Food	0	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> </ul>
<ul> <li>→ AgEcon</li> </ul>	<ul> <li>○ Agri- Tropics</li> <li>○</li> </ul>	⊖ I Crop Sciences ○	○ ◆ EnvEuro	<ul> <li>− Enviro- Food</li> </ul>	<ul> <li>Organic-</li> <li>Food</li> </ul>	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)</li> </ul>
⊕ O I AgEcon ■	⊕ ○ · Agri- Tropics ○ ○	⊕ ⊖ ⊦ Crop ⊖	⊕ ⊖ ➡ EnvEuro	⊕ ○ - Enviro- Food	⊕	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)</li> <li>3101-450 (Stahr) Major Pedological Field Trip (English + German)</li> </ul>
<ul> <li>☐ AgEcon</li> </ul>	<ul> <li>○ Agri- Tropics</li> <li>○</li> </ul>	⊖ I Crop Sciences ○	O Ф O ➡ EnvEuro	○ ⊕ ○ - Enviro- Food	<ul> <li>Organic-</li> <li>Food</li> </ul>	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)</li> <li>3101-450 (Stahr) Major Pedological Field Trip (English + German)</li> <li>3102-420 (Kandeler) Project in Soil Sciences (English + German)</li> </ul>
○ ⊕ ○ • AgEcon ●	○ ⊕ ○ · Agri- Tropics ○ ○	ΟΦΟ <b>Crop</b> Ο		ΟΟΦΟ <b>Εnviro-</b> Ο Food	○ ⊕ ○ · Organic- ○	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)</li> <li>3101-450 (Stahr) Major Pedological Field Trip (English + German)</li> <li>3102-420 (Kandeler) Project in Soil Sciences (English + German)</li> <li>3103-500 (Streck) Energy and Water Regime at the Land Surface</li> </ul>
● ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ⊕ ○ · Agri- Tropics ○ ○	<ul> <li>Ο Φ Ο · Crop</li> <li>Sciences</li> </ul>	■ ○ ○ ○ ● EnvEuro	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ο ΟΦΟ <b>Crganic-</b> Ο	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)</li> <li>3101-450 (Stahr) Major Pedological Field Trip (English + German)</li> <li>3102-420 (Kandeler) Project in Soil Sciences (English + German)</li> <li>3103-500 (Streck) Energy and Water Regime at the Land Surface</li> <li>3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)</li> </ul>
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● ○ ○ ○ ○ ○ ● ○ ● ● ● ● ● ● ● ● ● ● ● ●	0 0 0 0 0 0 <b>Agri-</b> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<ul> <li>Ο Φ Ο · Crop</li> <li>Sciences</li> </ul>	■ ○ ○ ○ ● EnvEuro	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<ul> <li>O O O O O O O O O O O O O O O O O O O</li></ul>	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (EnvEuro !)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (English + German)</li> <li>3101-450 (Stahr) Major Pedological Field Trip (English + German)</li> <li>3102-420 (Kandeler) Project in Soil Sciences (English + German)</li> <li>3103-500 (Streck) Energy and Water Regime at the Land Surface</li> <li>3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (e-learning!)</li> <li>3401-450 (Claupein) Conservation Agriculture</li> <li>3401-460 (Claupein) Organic Plant Production</li> </ul>
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Age         Age           Ο         Ο         Ο           Ο         Ο         Ο	Ο         Ο	●         ○         ●         ○         ○         ●         ○         ○         ●         ○	■ ○ ○ ○ ● EnvEuro	0000000000000000000000000000000000000	○ ● ○ ○ ● ○ ○ ● ○ ○ ● ○ • Organic- ○	<ul> <li>4406-410 (Kranert) Waste Management and Waste Techniques</li> <li>4904-410 (Berger) Agricultural Economics Seminar</li> <li>Unblocked Modules in Summer Semester 2014 (April - July)</li> <li>3005-420 (Fangmeier)Climate Change Impacts, Adaptation a. Mitigation (<i>EnvEuro !</i>)</li> <li>3101-440 (Stahr) Soil Genesis, Classification and Geography (<i>English</i> + German)</li> <li>3101-450 (Stahr) Major Pedological Field Trip (<i>English</i> + German)</li> <li>3102-420 (Kandeler) Project in Soil Sciences (<i>English</i> + German)</li> <li>3103-500 (Streck) Energy and Water Regime at the Land Surface</li> <li>3301-470 (Müller, T.) Fertilisation and Appl. Soil Chemistry in the T+S (<i>e-learning!</i>)</li> <li>3401-450 (Claupein) Conservation Agriculture</li> <li>3401-460 (Claupein) Organic Plant Production</li> <li>3402-450 (Piepho) Advanced Statistical Methods for Metric and Catagorical Data</li> <li>3405-490 (Zikeli) Project in Organic Agriculture and Food Systems</li> <li>3501-450 (Melchinger) Breeding Methodology</li> </ul>
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## **Explanation of Module Code**



# **Lecture Periods**

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