

In accordance with the decisions of the Faculty Committee of the Faculty of Organic Agricultural Sciences of the University of Kassel of 20.04.2011 and of the Faculty Committee of the Faculty of Agricultural Sciences of the Georg-August University of Göttingen of 17.02.2011 and in accordance with the position taken by the Senate of the University of Kassel of 15.05.2011 and of the Senate of the Georg-August University of Göttingen of 13.04.2011, the Presidency of the University of Kassel of 11.07.2011 and the Presidency of the Georg-August University of Göttingen on 19.04.2011 approved the new version of the "Examination and Study Regulations for the M.Sc. degree programme Sustainable International Agriculture" (§ 44 para. 1 Nr. 1 HHG [Hessian Higher Education Law] in the version published on 05 14.12.2009 and § 44 para. 1 clause 2 NHG [Higher Education Law of Lower Saxony] in the version published on 26 Febr. 2007.

**Examination and Study Regulations  
for the M.Sc. degree programme  
"Sustainable International Agriculture"  
of the University of Kassel and the Georg-August University of Göttingen**

Version 2011

## **Examination and Study Regulations MSc Sustainable International Agriculture**

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### **§ 1 Area of Validity. Purpose the examinations**

<sup>1</sup>For the M.Sc. degree programme "Sustainable International Agriculture" the "General Examination Regulations for Bachelor's and Master's degree programmes as well as the other degree programmes at the University of Göttingen (APO)" and the "General Regulations for Examination Regulations for the Bachelor's and Master's degrees at University of Kassel" (AllgB K) in the appropriate versions apply. <sup>2</sup>If regulations APO and AllgB K contradict each other, the regulations of the University offering the module apply. This does not apply if;this does not apply if one of the two regulations has no rulings on a particular matter. <sup>3</sup>These Examination and Study Regulations further contain supplementary, in particular subject and studies rulings, and regulates goals, content and course of the M.Sc. degree programme. <sup>4</sup>In the M.Sc. examination for the research-oriented degree programme, the aim is to establish whether the candidate has obtained the necessary subject knowledge for transition into professional life, has an overview of subject interrelationships and expert understanding, and can apply in-depth scientific methods and knowledge in order to be able to work in a specialized field in a research capacity.

### **§ 2 Fields of activity and study goals**

(1) Teaching and research in the M.Sc. degree programme Sustainable International Agriculture are in line with the priorities of the Rio Agenda: development, environment and the fight against poverty.

(2) The M.Sc. degree programme has the following priorities:

- subject specific education in the chosen major
- the ability to deal with scientific problems, and
- the ability to deal with practical problems.

(3) The Sustainable International Agriculture degree programme prepares students for a job in a specialist and managerial capacity in European and international agricultural administration and consulting, in organic agriculture, and in ancillary agricultural business. Agricultural scientists with the focus on Sustainable International Agriculture are employed principally:

- in institutions of bilateral development co-operation,
- in international organizations,
- in domestic and foreign institutes of higher education or research centres
- in NGOs,
- in consulting, including as freelance experts,
- in agricultural administration,
- in finance,
- in agricultural and rural development programmes.

(4) General and subject related goals of the degree programme include the acquisition of

- the ability to make contributions worldwide to a resource-efficient development of agricultural

sites;

- understanding of connections between the global ecosystem and agriculture;
- the ability to apply scientific knowledge and methods in the international context of the agricultural economy and organic agriculture;
- well-founded knowledge of bio-physical and socio-economic site conditions and the ability to apply this knowledge for sustainable protection of site-specific and global nutrition bases;
- the ability to apply agricultural analytical laboratory methods, technical procedures or qualitative and quantitative data capture methods and to interpret their results;
- the ability to process and present analytic, structural and other data with appropriate methods;
- the ability to use and assess scientific literature, statistics and various forms of documentation;
- the ability to present investigation results in written, oral and graphic form;
- social and methodological competence; and
- the ability to organize work.

(5) The Master's examination will establish whether the candidate has acquired the basic subject and other knowledge necessary for the transition into professional practice, has an overview of the relevant subject interrelationships, and has the ability to work according to scientific principles, to communicate scientific knowledge and to reflect on and judge knowledge acquired with reference to contexts of application.

(6) <sup>1</sup>The Master's degree programme also serves to determine whether the student has sufficient aptitude and inclination for the pursuit of doctoral studies. <sup>2</sup>Doctoral studies may be linked to the successful conclusion of the Master's examination.

### **§ 3 Commencement, places and duration of studies. Language**

(1) The regular study period amounts to four semesters and totals 120 ECTS points, including the Master's thesis and the completion of all examinations.

(2) The M.Sc. degree programme begins in the winter semester.

(3) Places of study are the University of Kassel and the Georg-August University of Göttingen.

(4) In limited number students of named specialisations can apply for a Double Degree Programme within their studies. If they are admitted further study places are Heredia (Costa Rica) or Talca (Chile).

(5) The M.Sc. degree programme ends when the Master's examination has been passed.

(6) The teaching and examinations in the Master's degree programme "Sustainable International Agriculture" will be in English.

### **§ 4 Studies structure and majors**

(1) <sup>1</sup>In the M.Sc. degree programme the majors "International Agribusiness and Rural Development Economics", "International Organic Agriculture" and "Tropical Agriculture" are

offered. <sup>2</sup>Students must choose one of these majors and submit their choice in writing to the Examination Office with their registration for the first module examination. <sup>3</sup>Changing a major is possible only once and after consultation with the mentor. <sup>4</sup>A record is made of the consultation with the mentor, which the student has to submit to the Examination Office with a written request to change his or her major.

(2) A major is defined by the compulsory modules and the major-specific elective modules in accordance with § 6 para. 2.

(3) <sup>1</sup>The M.Sc. degree programme "Sustainable International Agriculture" provides well-founded knowledge of bio-physical and socio-economic site conditions and application of the same for sustainable protection of the site-specific and global nutrition bases. <sup>2</sup>The aim is to enable the students to contribute worldwide to a resource-efficient development of agrarian sites, to understand the global ecosystemic interrelationships of agriculture and to be independently able to apply social and methodological competence, scientific knowledge and quantitative and qualitative investigative methods in the international context of agricultural economics and organic agriculture. <sup>3</sup>The major "International Agribusiness and Rural Development Economics" places the focus on economic and sociological content and competence; "International Organic Agriculture" on organic agriculture in various climatic and site conditions worldwide; "Tropical Agriculture" on the site-appropriate agricultural use of land under (sub-) tropical conditions.

(4) <sup>1</sup>Notwithstanding § 6 para. 2 APO, compulsory modules of the M.Sc. degree programme are those that have to be completed by all students of a particular major. <sup>2</sup>Compulsory elective modules are modules of which a certain number have to be completed within a catalogue. <sup>3</sup>Elective modules serve the purpose of further individual structuring of the degree programme.

## **§ 5 Academic degree.**

### **Academic transcripts and degree certificates**

(1) After passing the Master's examination the student is awarded the degree of Master of Science (abbr. M.Sc.) by the Georg-August University of Göttingen and the University of Kassel jointly.

(2) In accordance with para. 1 the Georg-August University of Göttingen and the University of Kassel will provide a joint degree certificate to the graduates.

(3) The successful candidates also receive an academic transcript from the Universities Göttingen and Kassel. It will include:

- the chosen major field of study
- all modules completed and the credit points and grades awarded if the student has successfully obtained the credit points,
- the total grade,
- the subject and grade of the Master's thesis,
- indication of successful participation in the practical phase, where appropriate

- the grades of the major, where appropriate
- the result of the examinations in voluntary additional modules, and
- the regular study period.

<sup>3</sup>The academic transcript is signed by the Chairperson of the Examination Committee and notwithstanding § 17 I 4 APO by the Dean of the Faculty of Organic Agricultural Sciences (Kassel) and by the Dean of the Faculty of Agricultural Sciences (Göttingen).

(4) The Universities of Göttingen and Kassel provide graduates with an academic transcript supplement in English, in which the degree programme structure and the grades allocated to a module are documented in an internationally comprehensible form (specimen Appendix 6). The “Diploma Supplement” contains also an ECTS-Grading Table, which lists the percentage of the grades of the graduates in the mentioned period of time; the period should be at least two and at maximum five years; reference groups are the graduates of the study programme; reference group and period of time are to be mentioned.

(5) The candidate also receives an English-language copy of the academic transcript and degree certificate.

(6) The candidate is also issued on request a certified statement of the examinations passed before the final academic transcript is issued.

### **§ 6 Structure of the degree programme. Master's examination**

(1) The Master's examination consists of

- a) module examinations and
- b) the Master's thesis with colloquium.

(2) The following modules are to be completed successfully in accordance with the stipulations in Appendix 1:

- a) In the major „International Agribusiness and Rural Development Economics“ 4 compulsory modules, 5 mandatory modules (of which at least 1 module on work methods) and 6 elective modules of 6 ECTS points each from the chosen major (see Appendix 1a).
- b) In the major „International Organic Agriculture“ 1 bridging module (this may be replaced by a mandatory module following a request to the Examination Committee and if the student can demonstrate that he/she has completed appropriate preparatory study), 4 compulsory modules, 4 mandatory modules (of which at least 1 module on work methods) and 6 elective modules of 6 ECTS points each from the chosen major (see Appendix 1b)
- c) In the major „Tropical Agriculture“ 1 bridging module (this may be replaced by a mandatory module on request to the Examination Committee because of the preparatory study), 4 compulsory modules, 4 mandatory modules (of which at least 1 module on learning work methods) and 6 elective modules of 6 ECTS points each from the chosen major (see Appendix 1c)

- d) The mandatory modules of the chosen major that are not chosen can be completed as elective modules.
- e) Consideration of the modules of other, subject-related Master's degree programmes as mandatory or elective modules is possible only on request by the student to, and after approval by the Examination Committee. The approval decision is given on the basis of a written statement by the student's mentor, which is to be attached to the request. Subject-related Master's degree programmes in particular are agricultural sciences, crop sciences, farm animal sciences, resource management, natural sciences or social and economic sciences.
- f) The number, type and scope of the modules to complete successfully controls the module list (Annex I). A recommendation for the proper organization of the programme is the course of study attached plans (Appendix II) for full details. The module handbook with descriptions of the modules and the module catalog in electronic form (digital module directory) are published separately; they are part of this order, unless the modules are listed in the module list (Annex I).

(3) <sup>1</sup>The Master's thesis (§ 8) and a colloquium on the Master's thesis (§ 9) form a module with a total of 30 ECTS points (Master Module). <sup>2</sup>The calculation of the total grade is done by a proportional weighting of the Master's thesis and the colloquium in a ratio of 3 (for the Master's thesis) to 1 (for the colloquium).

### **§ 7 Forms of teaching and study**

- (1) Teaching and study materials are communicated in lectures, exercises, practical sessions, seminars, excursions and projects.
- (2) <sup>1</sup>In addition to individual work, group work is also a possible form of study. <sup>2</sup>Lectures, projects and assignments can also be carried out in the form of group work.
- (3) <sup>1</sup>The content and extent of teaching recognise and allow for preparation and follow-up by the student. <sup>2</sup>Self-study in all phases of the degree programme are particularly important in order to promote critical, methodological and creative thought and the ability to work on complex problems independently.

### **§ 8 Access restrictions to courses and modules**

- (1) <sup>1</sup>Certain courses and modules have restricted participant numbers. <sup>2</sup>These courses and modules include:
  - a) excursions,
  - b) exercises,
  - c) practical sessions, and
  - d) seminars.

<sup>3</sup>The teachers of these course and modules will inform the students about the prescribed participant numbers and distribute the available places. <sup>4</sup>In case of dispute, the Examination Committee will decide.

(2) <sup>1</sup>In the event that there are more registrations than available places for an individual course or module with restricted participant numbers, those students are to be admitted as a matter of priority for whom this course or module is a compulsory module in accordance with the studies and examinations regulations, or who are near the end of their degree programmes. <sup>2</sup>Those students have priority who are in the most advanced semester and are able to demonstrate that they have followed their degree programme in accordance with the regulations, or that any delay in completing their degree is not their responsibility. <sup>3</sup>The choice among students who are equally entitled to participate in a course or module with restricted participant numbers is made by lottery. <sup>4</sup> A student who is unable to present documented evidence of conformity in accordance with clause 2 can only be deferred twice from participation in a course or module with restricted participant numbers.

(3) A claim to admission in a course or module with restricted participant numbers can be submitted prior to the beginning of this course or module.

(4) If it is not possible to admit all students who must complete a course or module as one of their compulsory or compulsory elective modules, a larger number of places is to be made available in the next semester, if personnel and resources permit.

### **§ 9 Admission to and registration for module examinations**

(1) The registration and deregistration for module examinations has to be done in writing or electronically in the form and time specified by the Examination Committee

(2) The registration for accompanying or practical module examinations has to be done in writing or electronically in the form and time specified by the Examination Committee.

(3) The registration for other course-supplementary module examinations has to be done at the beginning of the courses.

(4) On registration it is to be declared whether the candidate has failed a relevant part of the examination in the same or a comparable degree programme or he/she is in a pending examination process.

### **§ 10 Forms and extent of examination achievements**

(1) <sup>1</sup>In addition to the forms of examination achievements named in § 15 APO and § 9 of the AllgB Ks, a module examination can also take the form of project work. <sup>2</sup>In project work the candidate is to show that he/she can work independently on a complex problem in which scientific methods are used to develop solutions independently. <sup>3</sup>This may involve case studies, empirical studies or similar tasks. <sup>4</sup>The examination consists of an oral presentation and/or the written presentation of results. <sup>5</sup>A module examination can in an elective module take the form of project work instead of

the form of examination prescribed in the modules catalogue. <sup>6</sup>Altogether project work can replace module examinations up to a max. of 12 ECTS points.

(2) <sup>1</sup>The duration of oral examinations is approx. <sup>2</sup>25 minutes per candidate, unless otherwise specified in the modules catalogue. <sup>3</sup>The duration of a written test is 90 minutes, unless otherwise specified in the modules catalogue. <sup>4</sup> Assignments are a max. of 20 pages.

(3) <sup>1</sup>If alternative examination dates and targets are regulated for a module, the type and extent of the examination must be appropriately regulated and published. <sup>2</sup>The Faculty Council sets examination dates and targets; the examination regulations can deviate from them. <sup>3</sup>If individual stipulations about the type and extent in the abstract can be regulated neither in the modules catalogue nor by the Faculty Council for an obligatory course, -supplementary studies or examination on the basis of the studies or examination, the regulation made by the examiner before the beginning of the examinations is binding. This regulation is to be put on record.

### **§ 11 Assessment of examination achievements and structure of grades**

(1) <sup>1</sup>Module examinations will be assessed by one or two examiners only. <sup>2</sup>The Master's thesis and written examinations which cannot be repeated are always to be assessed by two examiners. <sup>3</sup>First and second corrections are to be indicated on the examination papers.

(2) <sup>1</sup>If an examination consists of more than one part, the grade is calculated from the arithmetic average of the individual examination achievements. <sup>2</sup>If credit points are assigned to individual examination achievements, the grade is calculated from the appropriately weighted arithmetic average of the individual grades. <sup>3</sup>In determining the grade of an examination that has been assessed by several examiners, the grade is calculated from the arithmetic average of the individual examination achievements.

(3) Module examinations are to be assessed within 6 weeks of the examination or submission date.

(4) The result of an examination is to be communicated to the Examination Office of the Faculty of Agricultural Sciences of the University of Göttingen by the examiner(s) without delay, at the latest within three working days of the assessment.

(5) <sup>1</sup>The candidate will be informed without delay by the Faculty of Agricultural Sciences of the University of Göttingen about the result. <sup>2</sup>If the candidate fails a module examination or if the Master's thesis is assessed at lower than "sufficient" (4.0), he/she will receive written notification from the Examination Committee with information about whether and, where necessary to what extent and within what time, the module examination, the Colloquy or Master's thesis can be repeated. <sup>3</sup>If repetition is no longer possible, the examination is to be considered "failed". <sup>4</sup>Notwithstanding clause 1, the Examination Committee can decide to notify a candidate in the form of a public university announcement or via the electronic examination administration system, in which the interests of the person(s) concerned are protected in all due form.

(6) The total grade is calculated as an arithmetic average of the grades of relevant modules

weighted according to their respective credit points.

(7) If an English-language translation of the academic transcript is issued, the grades for the examination achievements and the total grade will be given according to the following scale:

- to including 1.5 (sehr gut): very good
- 1.5 to including 2.5 (gut): good
- 2.5 to including 3.5 (befriedigend): satisfactory
- 3.5 to including 4.0 (ausreichend): sufficient
- 4.0 (nicht ausreichend): failed.

(9) <sup>1</sup>The rating "with distinction" is awarded if all individual grades are "very good", and this corresponds to English "excellent".

(10)<sup>1</sup> The result of any additional examination is not included in the calculation of the total grade. <sup>2</sup>It is not possible to convert a module successfully completed by a voluntary additional examination into a module to be included in the calculation of the total grade, or a completed module into a voluntary additional examination.

## **§ 12 Absence and withdrawal**

(1) The candidate can withdraw from a module examination within the period set without reason (de-registration).

(2) <sup>1</sup>If the admission to an examination that is to be taken within a period set by an examination regulation is rejected for reasons for which the candidate is responsible (e.g. missing proof of matriculation), or if the candidate is absent on the examination date, the examination is to be assessed as "failed" (5.0), unless the Examination Committee recognizes the justification put forward by the candidate. <sup>2</sup>The same applies if a written examination is not completed within the prescribed working time. <sup>3</sup>The justification provided by the candidate must be submitted in writing and substantiated without delay by the Examination Committee. <sup>4</sup>In the case of withdrawal or absence because of illness, a doctor's certificate specifying the probable length of the illness responsible for examination incapacity is to be submitted if the illness is not an obvious one. <sup>5</sup>If the candidate's justification is accepted, a new submission or examination date will be set. <sup>6</sup>If in the case of assignments or the degree thesis the extension of the working time is limited in accordance with the stipulations of the relevant examination regulations, in the case the extended working time's having been exceeded a new topic will be assigned on submission of a valid reason; the examination attempt in this case is regarded as not having been made. <sup>7</sup> If this is the case, existing examination achievements are to be accredited. <sup>8</sup>The non-recognition of a candidate's justification is to be communicated to the candidate and to be substantiated.

(3) The regulations of para. 2 apply if the candidate wishes to withdraw at the beginning or end of the examination.

(4) In the case of prolonged and repeated illness, the Examination Committee can require the attestation of a University-appointed doctor, in particular an official attestation.

(5) <sup>1</sup>If the candidate attempts to influence the result of an examination and course credits by deception or the use of prohibited aids or the exercise of subsequent influence on an examiner to the advantage of himself/herself or another person, the examination or course credits will be assessed as "failed" (5.0) or "not passed". <sup>2</sup>The consequences prescribed in clause 1 can also ensue if a candidate, after assignment of a task, is found to have prohibited aids on his/her person, or if a candidate disregards the citation rules that apply to the production of scientific works in an assignment, seminar paper or degree thesis. <sup>3</sup>A candidate who infringes these examination regulations or otherwise grossly violates the regulations can be excluded from continuation of the examination or course credits by the examiners or examination invigilators; in this case the examination or course credits will be assessed as "failed" (5.0) or "not passed". <sup>4</sup>In the case of particularly serious deception or deception involving a written declaration from the student concerning the independent production of a work without prohibited aids, the Examination Committee can exclude the candidate from the completion of further examination or course credits; a particularly serious violation is one that is repeated, in accordance with clause 1. <sup>5</sup>In less serious cases a sanction can be imposed. <sup>6</sup>If it is suspected that a candidate has prohibited aids on his/her person, the candidate is obliged to co-operate in the clarification of this matter and hand over the aids; if the candidate refuses to co-operate, the examination or course credits concerned will be assessed as "failed" (5.0) or "not passed". <sup>7</sup>The candidate in question is to be given a hearing before a decision is made.

(6) At the request of the candidate, the Examination Committee is obliged to check decisions in accordance with para. 2, 3 and 5 within one month.

(7) Adverse decisions of the Examination Committee are to be communicated in writing without delay to the candidate, together with information about the candidate's legal options.

### **§ 13 Repetition of examinations**

(1) <sup>1</sup>Module examinations or module partial examinations failed or deemed to be failed can be repeated twice. <sup>2</sup>If the second repeat is assessed or deemed to be assessed as "failed", the module examination is conclusively failed. <sup>3</sup>In the second repeat examination of compulsory modules, the grade "failed" may be awarded only after additional oral examination.

(2) A Master's thesis failed or deemed to be failed can be repeated once.

(3) The first repetition is to be done at the latest at the next possible examination date, the second within a year of the first repetition.

(4) Repeat examinations are to be offered every semester.

(5) Repetition for the purpose of improving grades is not possible.

(6) On application of the student an additional successfully completed module can be once changed into a normal completed module or a completed module into an additional module.

(7) In the same or comparable degree programme at another university or equivalent institute of higher education in Germany or abroad, unsuccessful examination attempts will be credited

against the possible repetitions outlined in para. 1.

### **§ 14 Master's thesis**

(1) In the Master's thesis a problem of international agricultural is to be analysed and presented using scientific methods.

(1) <sup>1</sup>The Master's thesis should demonstrate that the candidate is able, within a prescribed time, to analyse a problem using scientific methods. <sup>2</sup>The topic of the Master's thesis must correspond to the examination (§ 1 para. 2) and the working time allotted in para. . <sup>3</sup>The type of task and the task assignment have to be fixed when the topic is assigned.

(3) <sup>1</sup>The Master's thesis can be produced in the form of group work. <sup>2</sup>The contribution of the individual candidate to be assessed as an examination achievement must be clearly distinguishable by means of extracts, page numbers or other objective criteria and assessable in itself, and it must correspond to the requirements in accordance with para. 1.

(4) <sup>1</sup>The provisional topic of the Master's thesis is to be agreed with the suggested supervisor and to be submitted with confirmation of the suggested second supervisor to the responsible Examination Committee. <sup>2</sup>If the candidate does not find a supervisor, a supervisor or a topic will be determined by the responsible Examination Committee. <sup>3</sup>In the choice of topic the candidate is to be given a hearing. <sup>4</sup>The right of suggestion for the choice of topic implies no legal claim.

(5) <sup>1</sup>The topic is assigned by the Examination Office; the assignment is to be put on record. <sup>2</sup>With the assignment of the topic, the examiner who has fixed the topic (first or second examiner) and the second examiner at the suggestion of the student are appointed. <sup>3</sup>One of the two examiners of the Master's thesis must be entitled to examine and must hold a Habilitation degree from the Faculty of Organic Agricultural Sciences of the University of Kassel or the Faculty of Agricultural Sciences of the University of Göttingen. <sup>4</sup>While the thesis is being written, the candidate will be supervised by the examiner.

(6) <sup>1</sup>The working time for the Master's thesis is 22 weeks. <sup>2</sup>The topic can be refused only once and only within the first eight weeks of the working time in accordance with clause 1. <sup>3</sup>In exceptional individual cases the period can be extended to 30 weeks if a request that outlines an important justification for which the candidate bears no responsibility is submitted. <sup>4</sup>If illness is given as the important justification, this illness is to be announced without delay and certified by a medical attestation. <sup>5</sup>The extension must be applied for before the expiry of the working time. <sup>6</sup>The supervisor has to agree. <sup>7</sup>If deadlines are exceeded but no important justification in accordance with clause 2 is provided by the candidate, the Master's thesis will be assessed as "failed"; if an important justification is provided in accordance with clause 2 a new topic will be assigned.

(7) <sup>1</sup>The Master's thesis is to be written in English. <sup>2</sup>If the candidate submits a request with a reason and the candidate's supervisor agrees, another EU language is also permissible, as far as at least three examiners know it in necessary amount.

(8) The Master's thesis is to be submitted within the prescribed time to the Examination Office and

the prescribed time is to be put on record.

(9) On submission of his/her Master's thesis, the candidate has to state in writing that he/she is the sole author of the work, and in the case of group work the sole author of the indicated part of the thesis, and that he/she has not used anything other than the sources and aids specified.

(10) The thesis is usually to be assessed by both examiners, with written commentary from each, within three weeks of submission.

(11) <sup>1</sup>If the examiners' assessments of the thesis differ from each other by more than 2.0, or if one of the examiners assesses the thesis as "failed", the Examination Committee will ask for the opinion of a third examiner. <sup>2</sup>In this case the grade, in accordance with § 7 para. 2 clause 3, will be calculated within two weeks of receipt of the assessments in accordance with para. 9.

(12<sup>1</sup>) The Master's thesis can, if assessed or deemed to be assessed with "failed", be repeated once; a second repetition is not possible. <sup>2</sup>Refusal of a topic in a repetition of the Master's thesis is permissible only if no use has been made of this possibility in the case of the first thesis (§ 9 para. 6 clause 2).

(13) The new topic of the Master's thesis will be assigned within a suitable period, usually within three months of the assessment of the first thesis.

(14) The Master's thesis is to be deposited in the relevant Examination Office in digital form.

### **§ 15 Admission to the Master's thesis**

(1) The admission requirement for the Master's thesis is that modules comprising at least 78 ECTS points, including all compulsory modules and at least four compulsory elective modules, have been passed.

(2) <sup>1</sup>Admission to the Master's thesis requires a written application, to be made to the relevant Examination Committee. <sup>2</sup>The following certificates should be attached to this application:

- a) Proof the fulfilment of the requirements specified in para. 1,
- b) the suggested topic for the Master's thesis,
- c) a suggestion for the first and second supervisors, and
- d) written confirmation by the first and second supervisors.

(3) <sup>1</sup>The Examination Committee decides about admission. <sup>2</sup>Admission is to be refused if the requirements in accordance with para. 2 are not fulfilled or the Master's examination has been failed in the same or comparable M.Sc. degree programme at an institute of higher education at home or abroad.

(4) <sup>1</sup>The candidate will be formally notified of the rejection of the admission application by the Chairperson of the Examination Committee. <sup>2</sup>The formal notification is to contain reasons and advice about the candidate's legal position.

### **§ 16 Colloquium for the Master's thesis**

- (1) <sup>1</sup>In the colloquium, the candidate must demonstrate in a presentation (approx. 30 minutes), followed by a discussion (approx. 30 minutes), about his/her Master's thesis that he/she is able to scientifically work on interdisciplinary and problem-related topics independently and position them in agrarian sciences. <sup>2</sup>The duration of the colloquium is approx. 60 minutes in total.
- (2) For admission to the colloquium, the Master's thesis has to carry the examiners' assessment "sufficient".
- (3) The colloquium is to be held within six weeks of the submission of the Master's thesis.
- (4) <sup>1</sup>The colloquium is held jointly by the examiners of the Master's thesis as an examination. <sup>2</sup>In the case of an interdisciplinary thesis and in agreement with the examiner, the Examination Committee can request up to two additional examiners.
- (5) <sup>1</sup>Students of the same degree programme are entitled to attend the colloquium. <sup>2</sup>This does not apply if the candidate objects to it.
- (6) If the colloquium is assessed as "failed", it is repeated in accordance with § 7 para. 1.

### **§ 17 Total result and conclusive failure**

- (1) <sup>1</sup>A minimum of 120 ECTS points, successful completion of all required modules and the Master's thesis are necessary to pass the Master's examination. <sup>2</sup>The course of studies ends with the semester in which the last examination has been successfully completed.
- (2) <sup>1</sup>The candidate in the Master's examination will fail conclusively if in this degree programme
  - a) a compulsory module is not passed or qualifies as "not passed",
  - b) compulsory elective or elective modules of the chosen major can no longer be passed with the necessary minimum grade, or
  - c) the Master's thesis, after the second attempt, is not passed or qualifies as not passed.<sup>2</sup>A statement that is accompanied by advice about the candidate's legal position will be issued about failure of the Master's examination.

### **§ 18 Examination Committee**

- (1) <sup>1</sup>For the organization of examinations and to carry out the tasks set by the Examination Committee, a joint Examination Committee of Members of the Faculty of Organic Agricultural Sciences of the University of Kassel and Members of the Faculty of Agricultural Sciences of the Georg-August University of Göttingen is to be set up. <sup>2</sup>The board consists of 5 members, three of whom are university lecturers, one of whom is an employee of the university who is employed full time or teaches full time, and one of whom is a student. <sup>3</sup>Of the members of the group of university lecturers and the employees of the university, one half must be from the University of Kassel and the other from the University of Göttingen. <sup>4</sup>At the same time, each member is to name a representative. <sup>5</sup>Should a member or his/her representative resign prematurely, a substitute will be elected for the remaining period of time.

(2) <sup>1</sup>The members of the Examination Committee are to be nominated by the respective representatives of each group in agreement with the responsible Faculty's Council. <sup>2</sup>A member of the relevant Examination Office participates in the meetings of the Examination Committee in an advisory capacity.

(3) <sup>1</sup>The Examination Committee elects a chairperson as well as a representative from the group of university lecturers. <sup>2</sup>The chairperson conducts the current business of the Examination Committee and administers the meetings of the Examination Committee. <sup>3</sup>The chairperson may delegate individual tasks of the examining organization.

(4) <sup>1</sup>The Examination Committee constitutes a quorum if the majority of the members, including the chairperson and a further member of the group of university lecturers, are present. <sup>2</sup>On the evaluation and the consideration of examination and study merits the student member only has an advisory vote.

(5) The meetings of the Examination Committee are not open to the public.

(6) <sup>1</sup>Minutes of meetings of the Examination Committee are to be taken. <sup>2</sup>The main issues of the discussion and the resolutions of the Examination Committee are to be recorded in writing.

(7) The report of the Examination Committee on the developments of the examination and study periods is to be published in a suitable manner.

(8) <sup>1</sup>The members of the Examination Committee are authorized to attend the examinations. <sup>2</sup>This authorization is not extended to consultation, announcement and comments on the grading.

<sup>3</sup>(9) The Examination Committee issues rules of procedure.

(10) <sup>1</sup>The Examination Committee is responsible for scrutinizing applications according to § 18 para. 6 APO and § 14 para. 4 AllB Kp. <sup>2</sup>In the sense of § 14 para. 3 clause 1 AllgB, repeated deception is considered to be a particularly severe form of deception.

(11) The Examination Committee is responsible for decisions on the retraction of administration records due to the invalidity of an examination in accordance with § 19 APO and § 26 AllgB Kp.

(12) The Examination Office responsible is the University of Göttingen's Examination Office.

### **§ 19 Persons entitled to examine. Examiners**

(1) Notwithstanding § 11 para. 1 of the APO, the Examination Committee decides on the appointment of persons entitled to examine for the module examinations and the supervision of the Master theses.

(2) <sup>1</sup>A person entitled to examine may be appointed who at least has the corresponding scientific qualifications for the respective examination subject. <sup>2</sup>Examiners who can be appointed, are

- a) university professors,
- b) junior professors,
- c) contract lecturers,
- d) temporary and lifelong academic counsellors,
- e) research associates,

f) qualified teachers for special tasks.

<sup>3</sup>The appointment of academics according to para. 2 letters d)-f) presupposes that for the examination subject a teaching contract has been awarded. <sup>4</sup>Persons entitled to examine must be members of the University of Kassel or the University of Göttingen.

(3) The Examination Committee will ensure that the candidate knows the names of the examiners at the latest 14 days before the date of the examination.

### **§ 20 Periods of examination, dates of examination and access to the examination files**

(1) <sup>1</sup>For each semester, two examination periods, each of three weeks in length, are determined by the Examination Committee. <sup>2</sup>They are set at the beginning and at the end of the semester for all kinds of modules, but do not extend more than one week into the lecture period. <sup>3</sup>There can be exceptions to this rule for compact courses.

(2) The dates of the module examinations within the examination periods are to be determined by the persons responsible for the modules in agreement with the chairperson of the Examination Committee and entered into the online-examination system open within the university at the latest six weeks before the examination date.

(3) Justified cases, which make a deviation from the regulations in para. 1 and 2 necessary, are to be regulated in agreement with the chairperson of the Examination Committee.

(4) <sup>1</sup>Notwithstanding § 22 para. 2 APO, the candidate will, on application to the chairperson of the Examination Committee, be granted access to his/her written examinations, the reports about them, and the minutes of his/her examinations within one year of the completion of the examination procedure. <sup>2</sup>The date, time and place of access are to be determined by the chairperson.

### **§ 21 Credit transfer of times of study, study and examination achievements**

(1) The Examination Committee is responsible for the credit transfer of times of study, study and examination achievements.

(2) Credit transfers from examination achievements from at another university or equivalent institute of higher education in Germany or abroad are to be noted in the statement of results.

(3) If study and examination achievements collected at another university or equivalent institute of higher education in Germany or abroad are not accompanied with comparable credits, the Examination Committee will determine the student workload notwithstanding § 13 para. 6 APO and under consideration of the weekly hours in the semester.

(4) Periods of study, and study and examination achievements which a student produces within the framework of a study exchange or study mobility programme and in which framework a learning agreement has been made, are to be accredited.

## § 22 Double Degree with the University of Heredia, Costa Rica

(1) Students who specialize in "International Agribusiness and Rural Development Economics" in the master's degree program "Sustainable International Agriculture" at the universities of Göttingen and Kassel and students in master's degree "MSc. International Agribusiness and Rural Development" of the Universidad Nacional (UNA) can simultaneously apply using their application to their study program to participate in a double-degree program in co-operation with the University of Heredia (Costa Rica).

(2) The participation at the double-degree program in cooperation with the University of Heredia (Costa Rica) is limited to eight students. A selection procedure will be carried out. The selecting committee consists of one member of each of the university lecturer group of the Universities of Göttingen, Kassel and Heredia. The members are to be nominated by each of the university's faculties.

(3) The hand signed application must be accompanied by:

- the diploma of the applicant's candidate in the form of certified copies or certified English translations,
- a written representation from the motivation of the candidate or the candidate for inclusion in the double degree program can detect and study his or her goals and
- a curriculum vitae written in English with a meaningful representation of the education pathway, from which it appears, can show what practical professional skills and further professional qualifications of the candidate or the candidate.

(4) <sup>1</sup>The selection committee of the degree program reaches a decision on applications on the basis of the following criteria:

aa) Grade of the Bachelor's degree or comparable degree (max. 8 points)

1.00	8 points
1.30 to 1.00	7 points,
1.60 to 1.30	6 points,
1.90 to 1.60	5 points,
2.20 to 1,90	4 points,
2.50 to 2.20	3 points,
2.80 to 2.50	2 points,
3.00 to 2.80	1 point.

bb) The applicant's stated motivation (max. 4 points)

very high motivation	4 points,
high motivation	3 points,
average motivation	2 points,
low motivation	1 point.

cc) Practical oriented knowledge and further relevant qualifications (max. 4 points)

very wide knowledge	4 points,
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wide knowledge	3 points,
average knowledge	2 points,
little knowledge	1 point,
no knowledge	0 points.

<sup>2</sup>In the case of equally ranked applications, the Bachelor's degree or equivalent is decisive.

(5) Students who complete the double degree program in cooperation with the University of Heredia, take part in their first year of studies at the University Heredia one compulsory module, 4 mandatory modules and 5 elective modules according to Appendix 1, No. 2 a. In their third semester they complete three compulsory modules and 2 additional mandatory or elective modules from the major field of study "International Agribusiness and Rural Development Economics" at the Universities of Göttingen and Kassel (see Annex 1 No. 2 b).

(6) The Master thesis is conducted by a supervisor of the Universities of Goettingen or Kassel and one supervisor of the University of Heredia.

(7) After passing the master examination and completion of the thesis the Universities of Göttingen and Kassel gives the degree of "Master of Science" (abbreviated "M.Sc."), the University of Heredia, the degree of "Master of Science" gives (abbreviated "M.Sc.").

(8) <sup>1</sup>The two degrees mentioned in para. 7 are awarded by the Universities Göttingen und Kassell according to para. 5 together and by the University of Heredia separately; they refer to the other certificate and that they form in combination an united degree. <sup>2</sup>The certificate must be handed out only with this rerefence. <sup>3</sup>The award takes place at the university at which the Master's thesis was completed. <sup>4</sup>The Universities of Göttingen and Kassel award their Master of Science academic transcript with the date of the degree certificate in English or, if preferred, in German. <sup>5</sup>The degree certificate concerning the relevant awarded university degree contains the courses of studies, the specification of the bi-national orientation and the background as double-degree-program.

(9<sup>1</sup>) Both university degrees can be done individually. <sup>2</sup>If both degrees are done together, they are to be connected by a slash. <sup>3</sup>This is also the case for the abbreviated form.

### **§ 23 Double Degree with the University of Talca, Chile**

(1) Students who specialize in "International Agribusiness and Rural Development Economics" in the master's degree program "Sustainable International Agriculture" at the Universities of Göttingen and Kassel and students in master's degree "MSc. International Agribusiness" Universidad de Talca University can also apply for the SIA with their course of study apply for participation in a double-degree program in cooperation with the University of Talca (Chile)

(2) The participation at the double-degree program in cooperation with the University of Talca (Chile) is limited to eight students. A selection procedure will be carried out. The selecting committee consists of one member of each of the university lecturer group of the Universities of

Göttingen, Kassel and Talca. The members are to be nominated by each of the university's faculties.

(3) The hand signed application must be accompanied by:

- the diploma of an applicant's candidate in the form of certified copies or certified English translations,
- a written representation from the motivation of the candidate or the candidate for inclusion in the double degree program can detect and study his or her goals and
- a curriculum vitae written in English (along the lines of euro-pass) with a meaningful representation of their education, from which it appears, which shows what practical professional skills and further professional qualifications of the candidate or the candidate posses.

4) The selection committee of program reaches a decision on applications on the basis of the following criteria:

aa) Grade of the Bachelor's degree or comparable degree (max. 8 points)

1.00	8 Points
1.30 to 1.00	7 Points
1.60 to 1.30	6 Points
1.90 to 1.60	5 points,
2.20 to 1.90	4 Points
2.50 to 2.20,	3 Points
2.80 to 2.50,	2 Points
3.00 to 2.80.	1 Point

bb) The applicant's stated motivation (max. 4 points)

very high motivation	4 points,
high motivation	3 points
Average motivation	2 points
Low Motivation	1 point.

cc) Practical oriented knowledge and further relevant qualifications (maximum 4 points)

very good knowledge	4 points,
good knowledge	3 points
average knowledge	2 points,
limited knowledge	1 point
no knowledge	0 points

<sup>2</sup>In the case of equally ranked applications, the Bachelor's degree or equivalent is decisive.

(5) Students who complete the double degree program in cooperation with the University of Talca, take part in their first year of studies at the University of Talca one compulsory module, 4 mandatory modules and 5 elective modules as listed in Appendix 1, No. 3 a. In their third semester, they complete 3 compulsory modules and 2 additional mandatory or elective modules

from the major field of study "International Agribusiness and Rural Development Economics" at the Universities of Göttingen and Kassel (see Annex 1, No. 3 b).

(6) The Master thesis is conducted by a supervisor of the Universities of Goettingen or Kassel and one supervisor of the University of Talca.

(7) After passing the master examination and completion of the thesis the Universities of Göttingen and Kassel, gives the degree of "Master of Science" (abbreviated "M.Sc."), the University of Talca the degree of "Master of Science" gives (abbreviated "M.Sc.")

(8) <sup>1</sup>The two degrees mentioned in para. 7 are awarded by the Universities Göttingen und Kassell according to para. 5 together and by the university of Talca separately; they refer to the other certificate and that they form in combination an united degree. <sup>2</sup>The certificate must be handed out only with this rerefence. <sup>3</sup>The award takes place at the university at which the Master's thesis was completed. <sup>4</sup>The Universities of Göttingen and Kassel award their Master of Science academic transcript with the date of the degree certificate in English or, if preferred, in German. <sup>5</sup>The degree certificate concerning the relevant awarded university degree contains the courses of studies, the specification of the bi-national orientation and the background as double-degree-program.

(9<sup>1</sup>) Both university degrees can be done individually. <sup>2</sup>If both degrees are done together, they are to be connected by a slash. <sup>3</sup>This is also the case for the abbreviated form.

#### **§ 24 Examination administration system**

(1) The students use, at their own risk, online-access to the examination administration system, by means of which the examination dates and the registration and de-registration for module examinations are administered electronically; the Examination Committee may issue more detailed regulations for this procedure.

(2) Students are obliged to check regularly the validity of their online-account as far as possible; transmission errors are to be announced without delay.

(3) <sup>1</sup>The examiners also contribute to the electronic compilation of examination results. <sup>2</sup>They maintain their own grading lists as an additional checking device and for documentation purposes, and store these lists for at least 8 years.

#### **§ 25 Student Advisory Service and mentors**

(1) The students are to be advised and supervised during their period of study so that they work purposefully towards their degree and can complete it within the regular time of study.

(2) <sup>1</sup>The professional advisory service in the M.Sc. degree programme is carried out by mentors. <sup>2</sup>Mentors advise the students in all study-based questions individually and continuously. <sup>3</sup>For this purpose, each student is allocated at the beginning of the Master's degree programme a person whose principal job is that of a mentor. <sup>4</sup>The allocation procedure is arranged by the Examination Committee. <sup>5</sup>The students are entitled to a change in the allocation.

(3) The deans' offices for student affairs and the central student advisory services of both universities also offer comprehensive advisory services.

(4) The student should use the student advisory service, especially in the following cases:

- after failing an examination twice,
- changes in the regular period of study,
- change in the course of study and the university, and
- before a period of stay in a foreign country.

### **§ 26 University announcements by the Examination Committee**

(1) The Examination Committee will inform the students about the examination regulations and, as appropriate, about the regulations which are valid for them.

(2) <sup>1</sup>The Examination Committee may decide to publish within the university, as is customary in both universities, decisions and other measures which are taken in accordance with these examination regulations, especially admission to the examination, rejection of the admission, application and examination dates and deadlines as well as examination results,. <sup>2</sup>Special notice is to be taken ofn data and privacy protection regulations.

### **§ 27 Objection**

The person concerned may object to decisions made by the Examination Committee to the Examination Committee.

### **§ 28 Protection Provisions**

(1) <sup>1</sup>Should the candidate show credibly that he/she is not able (e.g. due to chronic illness or due to a long term or permanent physical disability according to § 2 para. 1 SGB IX), to take all or part of an examination in the designated manner, then he/she should be permitted to complete the examination in a extended time or obtain equal examination achievements. <sup>2</sup>A medical certificate must be submitted in the original. Submitting a copy is not sufficient. <sup>4</sup>The decision is made by the Examination Committee.

(2) <sup>1</sup>As far as compliance with deadlines for the first notification for examinations, the repetition of examinations, the reasons for missing examinations and the adherence to working times for examinations are concerned, the illness or disability of the person to be examined and the illness or disability and the sole necessary care of a dependent or a near dependent are equivalent to each other. <sup>2</sup>Near dependents include children, parents, grandparents, spouse and partner.

(3) <sup>1</sup>Expectant mothers may not take examinations or course achievements if the life and health of the mother or child are endangered according to a doctor's certificate. <sup>2</sup>Furthermore, protective regulations apply according to §§ 3, 4, 6 and 8 of the Mother Protection Law (Mutterschutzgesetz) and the deadlines and regulations of § 1 para. 1 or para. 3 No. 3 or in special cases of hardship

para. 5 as well as the §§ 15 and 16 of the Federal Child Raising Allowance Law (Bundeserziehungsgeldgesetz) on parental leave, in whichever version is valid.

(4) <sup>1</sup>Students who observe the regulations of para. 3 are not to be disadvantaged. <sup>2</sup>Fulfilment of the preconditions of para. 1 to 3 is to be proved by suitable certificates, e.g. medical certificates, birth certificate, attestations from the registration office etc.

### **§ 29 Transitional Provisions**

(1) Students who have before this examination and study regulations started their studies and continued without interruption, are examined in this present application for examination and study regulations.

(2) The most valid study and examination regulations become effective notwithstanding the provision under para. 1 expire. An examination after the previous examination and study regulations is carried out for the last time four semesters after entry into force of this examination and study regulations.

### **§ 30 Coming into effect**

(1) These regulations take effect on the day following its publication in the Official Bulletin of the Georg-August University of Goettingen and the Bulletin of the University of Kassel. It will first be valid for the procurement procedures for the winter semester 2011/2012. At the same time the "Regulations concerning entrance requirements and admission to the M.Sc. degree programme Sustainable International Agriculture" in the version published on 01.04.2009 (Official Bulletin No. 9 / 2009 p. 701) come out of effect.

## **Appendix 1: Module overview of the Master's examination**

### **1. Module overview for all students**

Modules that have already been completed for the Bachelor's degree cannot be taken into account. Examination achievements can be taken into account only in one module of this degree programme. Successfully completed modules can be taken into account only once.

#### **a) Major "International Agribusiness and Rural Development Economics"**

\*NB: SWS means semester hours per week.

aa) The following four compulsory modules must be completed:

I12	Sustainable International Agriculture: basic principles and approaches	(6 Credits, 6 SWS)
E01	World agricultural markets and trade	(6 Credits, 6 SWS)*
E08M	Econometrics I	(6 Credits, 6 SWS)
E11	Socioeconomics of rural development and food security	(6 Credits, 4 SWS)

ab) From the following modules five mandatory modules (of which at least one module is on learning work methods with code M) must be completed:

E05M	Marketing research	(6 Credits, 4 SWS)
E10	Economics of biological diversity in the tropics and subtropics	(6 Credits, 4 SWS)
E12M	Quantitative research methods in rural development economics	(6 Credits, 4 SWS)
E13M	Microeconomic theory and quantitative methods of agricultural production	(6 Credits, 4 SWS)
E14	Evaluation of rural development projects and policies	(6 Credits, 4 SWS)
E15	Strategic management and operations	(6 Credits, 4 SWS)
E16	Supply chain management	(6 Credits, 4 SWS)
E18	Organization of food supply chains	(6 Credits, 4 SWS)
E20	Agricultural policy seminar	(6 Credits, 4 SWS)
E21	Rural sociology	(6 Credits, 4 SWS)
E22M	Research methods for business	(6 Credits, 4 SWS)
E23	Global Agricultural Value Chains and Developing Countries	(6 Credits, 4 SWS)
E24	Topics in Rural Development Economics I	(6 Credits, 4 SWS)
E26	Development Economics 1	(6 Credits, 4 SWS)
E27	Labour Mobility, Migration, and Rural Development	(6 Credits, 4 SWS)

ac) From the following modules (or the so far not chosen major modules of the degree programme) six elective modules must be completed:

A01	Organic livestock farming under temperate and tropical conditions	(6 Credits, 4 SWS)
A05	Aquaculture in the tropics and subtropics	(6 Credits, 4 SWS)
A06	Global aquaculture production, markets and challenges	(6 Credits, 4 SWS)
A07	Unconventional livestock and wildlife management	(6 Credits, 4 SWS)
A08	Socio-ecology in livestock production systems	(6 Credits, 4 SWS)

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A09	Sustainability in organic livestock production under temperate conditions	(6 Credits, 4 SWS)
A11	Tropical animal husbandry systems	(6 Credits, 4 SWS)
A12M	Multidisciplinary research in tropical production systems	(6 Credits, 4 SWS)
E02	Agricultural price theory	(6 Credits, 4 SWS)
E04	Changing societies, intercultural management	(6 Credits, 4 SWS)
E06	International markets and marketing for organic products	(6 Credits, 4 SWS)
E17M	Management and management accounting	(6 Credits, 4 SWS)
E19	Market integration and price transmission	(6 Credits, 4 SWS)
E23	Global agricultural value chains and developing countries	(6 Credits, 4 SWS)
M.Agr		
.0102	Regional Modelling	(6 Credits, 4 SWS)
I01M	Ecological modelling and GIS	(6 Credits, 4 SWS)
I02	Management of (sub-)tropical landuse systems	(6 Credits, 4 SWS)
I03	Food quality and organic food processing	(6 Credits, 4 SWS)
I07	International land use systems research	(6 Credits, 8 SWS) (6 Credits, 5,5 SWS)
I08	Organic farming under European conditions	(6 Credits, 4,5 SWS)
I09	Sustainable nutrition	(6 Credits, 4,5 SWS)
I11M	Free project	(6 Credits, 4 SWS)
P02	Energetic and technical use of agricultural crops	(6 Credits, 4 SWS)
P05	Organic cropping systems under temperate and (sub)tropical conditions	(6 Credits, 4 SWS)
P12	Crops and production systems in the tropics	(6 Credits, 4 SWS)

### b) Major "International Organic Agriculture"

ba) The following bridging module and four compulsory modules must be completed (the bridging module can be replaced by a mandatory module on request in the case of a corresponding preparatory study):

A01	Organic livestock farming under temperate and tropical conditions	(6 Credits, 4 SWS)
I12	Sustainable International Agriculture: basic principles and approaches	(6 Credits, 6 SWS)
I10M	Applied statistical modelling	(6 Credits, 6 SWS)
P05	Organic cropping systems under temperate and (sub)tropical conditions	(6 Credits, 4 SWS)
P07	Soil and plant science (bridging module )	(6 Credits, 4 SWS)

bb) From the following modules four mandatory modules (of which at least one module is on learning work methods with Code M and an economics module with Code E) must be completed:

A09	Sustainability in organic livestock production under temperate conditions	(6 Credits, 4 SWS)
A10	Animal nutrition and breeding under (sub-) tropical conditions	(6 Credits, 4 SWS)
A12M	Multidisciplinary research in tropical production systems	(6 Credits, 4 SWS)
E05M	Marketing research	(6 Credits, 4 SWS)
E06	International markets and marketing for organic products	(6 Credits, 4 SWS)
E11	Socioeconomics of rural development and food security	(6 Credits, 4 SWS)
E14	Evaluation of rural development projects and policies	(6 Credits, 4 SWS)

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E21	Rural sociology	(6 Credits, 4 SWS)
I01M	Ecological modelling and GIS	(6 Credits, 4 SWS)
I03	Food quality and organic food processing	(6 Credits, 4 SWS)
I08	Organic farming under European conditions	(6 Credits, 5,5 SWS)
I09	Sustainable nutrition	(6 Credits, 4,5 SWS)
P01	Ecology and agroecosystems	(6 Credits, 4 SWS)
P03	Ecological soil microbiology	(6 Credits, 4 SWS)
P06	Soil and water	(6 Credits, 4 SWS)
P09	Biological control and biodiversity	(6 Credits, 4 SWS)
P13	Agrobiodiversity and plant genetic resources in the tropics	(6 Credits, 4 SWS)
P14M	Plant breeding methodology and genetic resources	(6 Credits, 4 SWS)
P15M	Methods and advances in plant protection	(6 Credits, 4 SWS)
P16M	Crop and land use modelling	(6 Credits, 4 SWS)
P17M	Nutrient dynamics, long-term experiments and modelling	(6 Credits, 4 SWS)
P20	Plant nematodology	(6 Credits, 2 SWS)

bc) From the following modules six elective modules must be completed. It is also possible to choose the major modules of the degree programme so far not chosen.

A02M	Epidemiology of international and tropical animal infectious diseases	(6 Credits, 4 SWS)
A03M	International and tropical food microbiology and hygiene	(6 Credits, 4 SWS)
A04	Livestock reproduction physiology	(6 Credits, 4 SWS)
A05	Aquaculture in the tropics and subtropics	(6 Credits, 4 SWS)
A06	Global aquaculture production, markets and challenges	(6 Credits, 4 SWS)
A07	Unconventional livestock and wildlife management	(6 Credits, 4 SWS)
A08	Socio-ecology in livestock production systems	(6 Credits, 4 SWS)
A11	Tropical animal husbandry systems	(6 Credits, 4 SWS)
A12M	Multidisciplinary research in tropical production systems	(6 Credits, 4 SWS)
A13M	Livestock-based sustainable land use	(6 Credits, 4 SWS)
E01	World agricultural markets and trade	(6 Credits, 6 SWS)
E02	Agricultural price theory	(6 Credits, 4 SWS)
E03	Ecological economics	(6 Credits, 4 SWS)
E04	Changing societies, intercultural management	(6 Credits, 4 SWS)
E07	Development economics and development policy	(6 Credits, 4 SWS)
E10	Economics of biological diversity in the tropics and subtropics	(6 Credits, 4 SWS)
E12	Quantitative research methods in rural development economics	(6 Credits, 4 SWS)
E13M	Microeconomic theory and quantitative methods of agricultural production	(6 Credits, 4 SWS)
E14	Evaluation of rural development projects and policies	(6 Credits, 4 SWS)
E15	Strategic management and operations	(6 Credits, 4 SWS)
E16	Supply chain management	(6 Credits, 4 SWS)
E17M	Management and management accounting	(6 Credits, 4 SWS)
E18	Organization of food supply chains	(6 Credits, 4 SWS)
E20	Agricultural policy seminar	(6 Credits, 4 SWS)
E21	Rural sociology	(6 Credits, 4 SWS)
E22M	Research methods for business	(6 Credits, 4 SWS)
E23	Global agricultural value chains and developing countries	(6 Credits, 4 SWS)
I02	Management of (sub-)tropical landuse systems	(6 Credits, 4 SWS)
I06M	Exercise on the quality of tropical and subtropical products	(6 Credits, 3 SWS)

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I07	International land use systems research	(6 Credits, 8 SWS)
I11M	Free project	(6 Credits, 4 SWS)
P02	Energetic and technical use of agricultural crops	(6 Credits, 4 SWS)
P08	Pests and diseases of tropical crops	(6 Credits, 4 SWS)
P09	Biological control and biodiversity	(6 Credits, 4 SWS)
P10	Tropical agro-ecosystem function	(6 Credits, 4 SWS)
P11	Forest growth, disturbance and management in the tropics	(6 Credits, 4 SWS)
P12	Crops and production systems in the tropics	(6 Credits, 4 SWS)
P13	Agrobiodiversity and plant genetic resources in the tropics	(6 Credits, 4 SWS)
P14M	Plant breeding methodology and genetic resources	(6 Credits, 4 SWS)
P19M	Propagation techniques and ecophysiology in the tropics	(6 Credits, 4 SWS)
P18M	Ecopedology of the tropics and subtropics	(6 Credits, 4 SWS)

### c) Major "Tropical Agriculture"

ca) The following bridging module and four compulsory modules must be completed (the bridging module can be replaced by a mandatory module on request in the case of a corresponding preparatory study):

A11	Tropical animal husbandry systems	(6 Credits, 4 SWS)
	Sustainable International Agriculture: basic principles and approaches	
I12		(6 Credits, 4 SWS)
I10M	Applied statistical modelling	(6 Credits, 6 SWS)
P07	Soil and plant science (bridging module )	(6 Credits, 4 SWS)
P12	Crops and production systems in the tropics	(6 Credits, 4 SWS)

cb) From the following modules four mandatory modules (of which at least one module is on learning work methods with Code M) must be completed:

A02M	Epidemiology of international and tropical animal infectious diseases	(6 Credits, 4 SWS)
A03M	International and tropical food microbiology and hygiene	(6 Credits, 4 SWS)
A04	Livestock reproduction physiology	(6 Credits, 4 SWS)
A05	Aquaculture in the tropics and subtropics	(6 Credits, 4 SWS)
A06	Global aquaculture production, markets and challenges	(6 Credits, 4 SWS)
A10	Livestock nutrition and breeding under (sub-) tropical conditions	(6 Credits, 4 SWS)
A12M	Multidisciplinary research in tropical production systems	(6 Credits, 4 SWS)
A13M	Livestock-based sustainable land use	(6 Credits, 4 SWS)
E11	Socioeconomics of rural development and food security	(6 Credits, 4 SWS)
I01M	Ecological modelling and GIS	(6 Credits, 4 SWS)
I06M	Exercise on the quality of tropical and subtropical products	(6 Credits, 3 SWS)
P01	Ecology and agroecosystems	(6 Credits, 4 SWS)
P04	Plant nutrition in the tropics and subtropics	(6 Credits, 4 SWS)
	Organic cropping systems under temperate and (sub)tropical conditions	
P05		(6 Credits, 4 SWS)
P08	Pests and diseases of tropical crops	(6 Credits, 4 SWS)
P10	Tropical agro-ecosystem function	(6 Credits, 4 SWS)
P13	Agrobiodiversity and plant genetic resources in the tropics	(6 Credits, 4 SWS)
P14M	Plant breeding methodology and genetic resources	(6 Credits, 4 SWS)

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P15M	Methods and advances in plant protection	(6 Credits, 4 SWS)
P16M	Crop and land use modelling	(6 Credits, 4 SWS)
P17M	Nutrient dynamics, long-term experiments and modelling	(6 Credits, 4 SWS)
P18M	Ecopedology of the tropics and subtropics	(6 Credits, 4 SWS)
P19M	Propagation techniques and ecophysiology in the tropics	(6 Credits, 4 SWS)

cc) From the following modules six elective modules must be completed. It is also possible to choose the major modules of the degree programme so far not chosen.

A01	Organic livestock farming under temperate and tropical conditions	(6 Credits, 4 SWS)
A07	Unconventional livestock and wildlife management	(6 Credits, 4 SWS)
A08	Socio-ecology in livestock production systems	(6 Credits, 4 SWS)
E01	World agricultural markets and trade	(6 Credits, 6 SWS)
E02	Agricultural price theory	(6 Credits, 4 SWS)
E03	Ecological economics	(6 Credits, 4 SWS)
E04	Changing societies, intercultural management	(6 Credits, 4 SWS)
E05M	Marketing research	(6 Credits, 4 SWS)
E06	International markets and marketing for organic products	(6 Credits, 4 SWS)
E07	Development economics and development policy	(6 Credits, 4 SWS)
E09	International forest and environmental policy	(6 Credits, 4 SWS)
E10	Economics of biological diversity in the tropics and subtropics	(6 Credits, 4 SWS)
E12	Quantitative research methods in rural development economics	(6 Credits, 4 SWS)
E13M	Microeconomic theory and quantitative methods of agricultural production	(6 Credits, 4 SWS)
E14	Evaluation of rural development projects and policies	(6 Credits, 4 SWS)
E15	Strategic management and operations	(6 Credits, 4 SWS)
E16	Supply chain management	(6 Credits, 4 SWS)
E17M	Management and management accounting	(6 Credits, 4 SWS)
E18	Organization of food supply chains	(6 Credits, 4 SWS)
E20	Agricultural policy seminar	(6 Credits, 4 SWS)
E21	Rural sociology	(6 Credits, 4 SWS)
E22M	Research methods for business	(6 Credits, 4 SWS)
E23	Global agricultural value chains and developing countries	(6 Credits, 4 SWS)
I02	Management of (sub-)tropical landuse systems	(6 Credits, 4 SWS)
I03	Food quality and organic food processing	(6 Credits, 4 SWS)
I07	International land use systems research	(6 Credits, 8 SWS)
I08	Organic farming under European conditions	(6 Credits, 5,5 SWS)
I09	Sustainable nutrition	(6 Credits, 4,5 SWS)
I11M	Free project	(6 Credits, 4 SWS)
P02	Energetic and technical use of agricultural crops	(6 Credits, 4 SWS)
P03	Ecological soil microbiology	(6 Credits, 4 SWS)
P06	Soil and water	(6 Credits, 4 SWS)
P09	Biological control and biodiversity	(6 Credits, 4 SWS)
P11	Forest growth, disturbance and management in the tropics	(6 Credits, 4 SWS)
P20	Plant nematodology	(6 Credits, 2 SWS)

### d) Master's thesis

Completion of the Master's thesis is worth 24 Credits.

**e) Colloquium for the Master's thesis**

Successful completion of the colloquium for the Master's thesis is worth 6 Credits.

**2. Supplementary module overview for students of the Double Degree Programme with the University of Heredia**

a) Students who study under the double degree program with the University of Heredia, must complete the follow-study program during the first two semesters at the University of Heredia

aa) The following compulsory module must be completed:

E01	World agricultural markets and trade	(6 Credits, 6 SWS)
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bb) Four mandatory modules must be completed:

UNA-C-11M	Social research methodology (M)	(6 Credits, 4 SWS)
UNA-C-12	Rural sustainable entrepreneurship and Project management.	(6 Credits, 6 SWS)
UNA-C-13	Rural Development Theory	(6 Credits, 4 SWS)
UNA-C-22M	Microeconomics theory and quantitative methods of agricultural production (M)	(6 Credits, 4 SWS)
UNA-C-23	Monitoring and evaluation of rural Agribusiness Development Projects and policies	(6 Credits, 4 SWS)
UNA-C-24	Rural and sustainable agribusiness management	(6 Credits, 4 SWS)

cc) Five modules must be completed from the following:

UNA-O-14	Social Change and Management of social and public Organizations	(6 Credits, 4 SWS)
UNA-O-15	Gender and Rural Development	(6 Credits, 4 SWS)
UNA-O-16	Environmental and Natural Resources Economy	(6 Credits, 4 SWS)
UT-O-03	Development Economics in Latin America	(6 Credits, 4 SWS)
UNA-O-25	Forestry Sustainable Production Systems	(6 Credits, 4 SWS)
UNA-O-26	Aquaculture Sustainable Production Systems	(6 Credits, 4 SWS)
UNA-O-27	Rural and sustainable Tourism	(6 Credits, 4 SWS)
UNA-O-28	Agricultural Sustainable Production	(6 Credits, 4 SWS)
UT-O-06	Agricultural Innovation and Extension	(6 Credits, 4 SWS)

b) During the semester at the University of Kassel and Göttingen, the Students must complete range of modules from the following modules.programme:

aa) The following 3 compulsory modules must be completed:

E08M	Econometrics	(6 Credits, 6 SWS)
E11	Socioeconomics of rural Development and food security	(6 Credits, 4 SWS)
I12	Sustainable International Agriculture: basic principles and approaches	(6 Credits, 6 SWS)

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bb) From the following modules one mandatory module must be completed

E05M	Marketing research	(6 Credits, 4 SWS)
E07	Development economics and development policy	(6 Credits, 4 SWS)
E10	Economics of biological diversity in the tropics and subtropics	(6 Credits, 4 SWS)
E12M	Quantitative research methods in rural development economics	(6 Credits, 4 SWS)
E13M	Microeconomic theory and quantitative methods of agricultural production	(6 Credits, 4 SWS)
E14	Evaluation of rural development projects and policies	(6 Credits, 4 SWS)
E15	Strategic management and operations	(6 Credits, 4 SWS)
E16	Supply chain management	(6 Credits, 4 SWS)
E18	Organization of food supply chains	(6 Credits, 4 SWS)
E20	Agricultural policy seminar	(6 Credits, 4 SWS)
E21	Rural sociology	(6 Credits, 4 SWS)
E22M	Research methods for business	(6 Credits, 4 SWS)
E23	Global Agricultural Value Chains and Developing Countries	(6 Credits, 4 SWS)
E24	Topics in Rural Development Economics I	(6 Credits, 4 SWS)

cc) From the following modules (or not so far chosen elective modules of the major field of study) one elective module must be completed:

A01	Organic livestock farming under temperate and tropical conditions	(6 Credits, 4 SWS)
A05	Aquaculture in the tropics and subtropics	(6 Credits, 4 SWS)
A06	Global aquaculture production, markets and challenges	(6 Credits, 4 SWS)
A07	Unconventional livestock and wildlife management	(6 Credits, 4 SWS)
A08	Socio-ecology in livestock production systems	(6 Credits, 4 SWS)
A09	Sustainability in organic livestock production under temperate conditions	(6 Credits, 4 SWS)
A11	Tropical animal husbandry systems	(6 Credits, 4 SWS)
A12M	Multidisciplinary research in tropical production systems	(6 Credits, 4 SWS)
E02	Agricultural price theory	(6 Credits, 4 SWS)
E04	Changing societies, intercultural management	(6 Credits, 4 SWS)
E06	International markets and marketing for organic products	(6 Credits, 4 SWS)
E09	International forest and environmental policy	(6 Credits, 4 SWS)
E17M	Management and management accounting	(6 Credits, 4 SWS)
E19	Market integration and price transmission	(6 Credits, 4 SWS)
I01M	Ecological modelling and GIS	(6 Credits, 4 SWS)
I02	Management of (sub-)tropical landuse systems	(6 Credits, 4 SWS)
I03	Food quality and organic food processing	(6 Credits, 4 SWS)
I07	International land use systems research	(6 Credits, 8 SWS)
I08	Organic farming under European conditions	(6 Credits, 5,5 SWS)
I09	Sustainable nutrition	(6 Credits, 4,5 SWS)
I11M	Free project	(6 Credits, 4 SWS)
P02	Energetic and technical use of agricultural crops	(6 Credits, 4 SWS)
P05	Organic cropping systems under temperate and (sub)tropical conditions	(6 Credits, 4 SWS)
P12	Crops and production systems in the tropics	(6 Credits, 4 SWS)

### c) Master's thesis

Successful completion of the Master's thesis is worth 24 ECTS points.

**d) Colloquium for the Master's thesis**

Successful completion of the colloquium for the Master's thesis is worth 6 ECTS points.

**3. Additional Modules for Students of the double degree program with the University of Talca**

a) Students who study under the double degree program with the University of Talca must complete subsequent study program, during the first two semesters at the University of Talca.

aa) 1 Compulsory module must be completed:

E01	World Agricultural Markets and Trade	(6 Credits, 4 SWS)
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bb) From the following four mandatory modules must be completed:

UT-C-11	Managerial Economics	(6 Credits, 6 SWS)
UT-C-12	Marketing in Agribusiness I (Strategic Marketing)	(6 Credits, 6 SWS)
UT-C-21M	Methods for Socio-Economic Analysis (M)	(6 Credits, 6 SWS)
UT-C-22	Financial Management I	(6 Credits, 6 SWS)

cc) From the following modules (or not so far chosen elective modules of the major field of study) one elective module must be completed:

UT-O-13	Strategic Management	(6 Credits, 6 SWS)
UT-O-14	Agricultural Price Theory (Talca)	(6 Credits, 4 SWS)
UT-O-15	Technologies in Fruit and Wine Production	(6 Credits, 6 SWS)
UT-O-16	Development Economics in Latin America	(6 Credits, 5 SWS)
UT-O-23	Human Resources Management	(6 Credits, 6 SWS)
UT-O-24M	Marketing in Agribusiness II (Marketing Research) (M)	(6 Credits, 6 SWS)
UT-O-25	Principles, Monitoring and Methods of Agricultural Projects Development Policies	(6 Credits, 6 SWS)
UT-O-26	Agricultural Innovation and Extension	(6 Credits, 6 SWS)

b) During the semester at the University of Kassel and Göttingen, the Students must complete range of modules from the following modules.programme:

aa) 3 Compulsory module must be completed:

E08M	Econometrics	(6 Credits, 6 SWS)
E11	Socioeconomics of rural Development and food security Sustainable International Agriculture: basic principles and approaches	(6 Credits, 4 SWS)
I12		(6 Credits, 6 SWS)

bb) From the following modules one mandatory module must be completed:

E05M	Marketing research	(6 Credits, 4 SWS)
E07	Development economics and development policy	(6 Credits, 4 SWS)
E10	Economics of biological diversity in the tropics and subtropics	(6 Credits, 4 SWS)

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E12M	Quantitative research methods in rural development economics	(6 Credits, 4 SWS)
E13M	Microeconomic theory and quantitative methods of agricultural production	(6 Credits, 4 SWS)
E14	Evaluation of rural development projects and policies	(6 Credits, 4 SWS)
E15	Strategic management and operations	(6 Credits, 4 SWS)
E16	Supply chain management	(6 Credits, 4 SWS)
E18	Organization of food supply chains	(6 Credits, 4 SWS)
E20	Agricultural policy seminar	(6 Credits, 4 SWS)
E21	Rural sociology	(6 Credits, 4 SWS)
E22M	Research methods for business	(6 Credits, 4 SWS)
E23	Global Agricultural Value Chains and Developing Countries	(6 Credits, 4 SWS)
E24	Topics in Rural Development Economics I	(6 Credits, 4 SWS)

cc) From the following modules (or not so far chosen elective modules of the major field of study) one elective module must be completed:

A01	Organic livestock farming under temperate and tropical conditions	(6 Credits, 4 SWS)
A05	Aquaculture in the tropics and subtropics	(6 Credits, 4 SWS)
A06	Global aquaculture production, markets and challenges	(6 Credits, 4 SWS)
A07	Unconventional livestock and wildlife management	(6 Credits, 4 SWS)
A08	Socio-ecology in livestock production systems	(6 Credits, 4 SWS)
A09	Sustainability in organic livestock production under temperate conditions	(6 Credits, 4 SWS)
A11	Tropical animal husbandry systems	(6 Credits, 4 SWS)
A12M	Multidisciplinary research in tropical production systems	(6 Credits, 4 SWS)
E02	Agricultural price theory	(6 Credits, 4 SWS)
E04	Changing societies, intercultural management	(6 Credits, 4 SWS)
E06	International markets and marketing for organic products	(6 Credits, 4 SWS)
E09	International forest and environmental policy	(6 Credits, 4 SWS)
E17M	Management and management accounting	(6 Credits, 4 SWS)
E19	Market integration and price transmission	(6 Credits, 4 SWS)
I01M	Ecological modelling and GIS	(6 Credits, 4 SWS)
I02	Management of (sub-)tropical landuse systems	(6 Credits, 4 SWS)
I03	Food quality and organic food processing	(6 Credits, 4 SWS)
I07	International land use systems research	(6 Credits, 8 SWS)
I08	Organic farming under European conditions	(6 Credits, 5,5 SWS)
I09	Sustainable nutrition	(6 Credits, 4,5 SWS)
I11M	Free project	(6 Credits, 4 SWS)
P02	Energetic and technical use of agricultural crops	(6 Credits, 4 SWS)
P05	Organic cropping systems under temperate and (sub)tropical conditions	(6 Credits, 4 SWS)
P12	Crops and production systems in the tropics	(6 Credits, 4 SWS)

### c) Master's thesis

Successful completion of the Master's thesis is worth 24 ECTS points.

### d) Colloquium for the Master's thesis

Successful completion of the colloquium for the Master's thesis is worth 6 ECTS points.

**Appendix 2: Overview study plans**

**1. Exemplary study plan in the Major “International Agribusiness and Rural Development Economics”**

Sem. Σ C*	Thematic modules					Methodic modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Compuls. module 2:</b> E01 World agricultural markets and trade  6 C	<b>Compuls. module 3:</b> E11 Socioeconomics of rural development and food security  6 C	<b>Compuls. module 4:</b> I12 Sustainable International Agriculture: basic principles and approaches  6 C			<b>Compuls. module 1:</b> E08M Econometrics I  6 C	<b>Mandat. module 1:</b> E 13M Microeconomic theory and quantitative methods of agricultural production  6 C
2. Σ 30 C	<b>Mandat. module 3:</b> E07 Development economics and development policy  6 C	<b>Mandat. module 4:</b> E10 Economics of biological diversity in the tropics and subtropics  6 C	<b>Mandat. module 5:</b> E15 Strategic management and operations  6 C			<b>Elective module 1:</b> A12M Multidisciplinary research in tropical production systems  6 C	<b>Mandat. module 2:</b> E12M Quantitative research methods in rural development economics  6 C
3. Σ 30 C	<b>Elective module 2:</b> E16 Supply chain management  6 C	<b>Elective module 3:</b> A11 Tropical animal husbandry systems  6 C	<b>Elective module 4:</b> E02 International forest and environmental policy  6 C	<b>Elective module 5:</b> E04 Changing societies, intercultural management  6 C		<b>Elective module 6:</b> I01M Ecological modelling and GIS  6 C	
4. Σ 30 C	<b>Master thesis &amp; Colloquium</b>  30 C						
Σ 120 C							

\* Σ C = average workload in different semesters in credits

2. Exemplary study plan in the Major „International Organic

Agriculture“

Sem. Σ C*	Thematic modules					Methodic modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Bridging module:</b> P07 Soil and plant science  6 C	<b>Compuls. module 2:</b> P05 Organic cropping systems under temperate and (sub)tropical conditions  6 C	<b>Mandat. module 1:</b> P03 Ecological soil microbiology  6 C	<b>Compuls. modul 1:</b> I12 Sustainable International Agriculture: basic principles and approaches  6 C		<b>Compuls. module 1:</b> I10M Applied statistical modelling 6 C	<b>Mandat. module 1:</b> E05M Marketing research  6 C
2. Σ 30 C	<b>Compuls. module 3:</b> A01 Organic livestock farming under temperate and tropical conditions  6 C	<b>Mandat. module 3:</b> E06 International markets and marketing for organic products  6 C	<b>Mandat. module 2:</b> I08 Organic farming under European conditions  6 C	<b>Elective module 1:</b> I03 Food quality and organic food processing  6 C	<b>Elective module 2:</b> P09 Biological control and biodiversity  6 C	<b>Compuls. Module 4:</b> I10M Applied statistical modelling 6 C	
3. Σ 30 C	<b>Elective module 3:</b> P02 Energetic and technical use of agricultural crops  6 C	<b>Elective module 4:</b> P13 Agrobiodiversity and plant genetic resources in the tropics  6 C	<b>Elective module 5:</b> E10 Economics of biological diversity in the tropics and subtropics  6 C			<b>Mandat. module 4:</b> P15M Methods and advances in plant protection  6 C	<b>Elective module 6:</b> P17M Nutrient dynamics, long-term experiments and modelling  6 C
4. Σ 30 C	<b>Master thesis &amp; Colloquium</b>  30 C						
Σ 120 C							

\* Σ C = average workload in different semesters in credits

3. Exemplary study plan in the Major „Tropical Agriculture“

Sem. Σ C*	Thematic modules					Methodic modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Bridging module:</b> P07 Soil and plant science  6 C	<b>Compuls. module 2:</b> A11 Tropical animal husbandry systems  6 C	<b>Compuls. module 3:</b> P12 Crops and production systems in the tropics  6 C	<b>Mandat. module 1:</b> P04 Plant nutrition in the tropics and subtropics  6 C	<b>Compuls. module 1:</b> I12 Sustainable International Agriculture: basic principles and approaches  6 C		
2. Σ 30 C	<b>Mandat. module 2:</b> A04 Livestock reproduction physiology  6 C	<b>Mandat. module 3:</b> A05 Aquaculture in the tropics and subtropics  6 C	<b>Mandat. module 4:</b> P08 Pests and diseases of tropical crops  6 C	<b>Elective module 1:</b> E01 World agricultural markets and trade  6 C		<b>Mandat. module 5:</b> P18M Ecopedology of the tropics and subtropics  6 C	<b>Compuls. Module 4:</b> I10M Applied statistical modelling  6 C
3. Σ 30 C	<b>Elective module 2:</b> I05 Quality and processing of tropical plant products  6 C	<b>Elective module 3:</b> P13 Agrobiodiversity and plant genetic resources in the tropics  6 C	<b>Elective module 4:</b> E04 Changing societies, intercultural management  6 C	<b>Elective module 5:</b> I07 International land use systems research  6 C	<b>Elective module 6:</b> P09 Biological control and biodiversity  6 C		
4. Σ 30 C	<b>Master thesis &amp; Colloquium</b>  30 C						
Σ 120 C							

\* Σ C = average workload in different semesters in credits

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4. Exemplary study plan for the Double Degree with the University Heredia:

Sem. Σ C*	Thematic modules					Methodic modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Mandat. Module 2</b> UNA-C-12 Rural sustainable entrepreneurship and Project management  6C	<b>Mandat. Module 1</b> UNA-O-14 Social Change and Management of social and public Organizations  6C	<b>Mandat. Module 2</b> UNA-O-15 Gender and Rural Development  6C	<b>Mandat. Module 3</b> UT-O-16 Development Economics in Latin America  6C		<b>Mandat. Module 1</b> UNA-C-11M Social research methodology  6C	
2. Σ 30 C	<b>Compuls. module 2</b> E01 World agricultural markets and trade  6 C	<b>Mandat. Module 3</b> UNA-C-22M Microeconomics theory and quantitative methods of agricultural production  6C	<b>Mandat. Module 4</b> UNA-C-24 Rural and sustainable agribusiness management  6C	<b>Elective module 4</b> UNA-O-25 Forestry sustainable production systems  6C		<b>Elective module 5</b> UT-O-26 Agricultural Innovation and Extension  6C	
3. Σ 30 C	<b>Compuls. module 3</b> E11 Socioeconomics of rural development and food security  6C	<b>Compuls. module 4</b> I12 Sustainable International Agriculture: basic principles and approaches  6C	<b>Mandat. Module 5</b> E-20 Agricultural Policy Seminar  6C	<b>Elective module 6</b> E06 International markets and marketing for organic products  6C		<b>Compuls. module 1:</b> E08M Econometrics I  6 C	
4. Σ 30 C	<b>Master thesis &amp; Colloquium</b>  30 C						
Σ 120 C							

\* Σ C = average workload in different semesters in credits

5. Exemplary study plan for the Double Degree with the University Talca:

Sem. Σ C*	Thematic modules				Methodic modules		
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Mandat. Module 1</b> UT-C-11 Managerial Economics  6C	<b>Mandat. Module 2</b> UT-C-12 Marketing in Agribusiness I (Strategic Marketing)  6C	<b>Elective module 1</b> UT-O-13 Strategic Management  6C	<b>Elective module I 2</b> UT-O-14 Agricultural Price Theory (Talca)  6C	<b>Elective module 3</b> UT-O-16 Development in Latin America  6C		
2. Σ 30 C	<b>Compuls. module 2</b> E01 World agricultural markets and trade  6 C	<b>Mandat. Module 4</b> UT-C-22 Financial Management I  6C	<b>Elective module 4</b> UT-O-23 Human Resources Management  6C			<b>Elective module 5</b> UT-O-26 Agricultural Innovation and Extension  6C	<b>Mandat. Module 3</b> UT-C-21M Methods for Socio- Economic Analysis  6C
3. Σ 30 C	<b>Compuls. module 3</b> E11 Socioeconomics of rural development and food security  6C	<b>Compuls. module 4</b> I12 Sustainable International Agriculture: basic principles and approaches  6C	<b>Mandat. Module 5</b> E-20 Agricultural Policy Seminar  6C	<b>Elective module 6</b> E06 International markets and marketing for organic products  6C		<b>Compuls. module 1:</b> E08M Econometrics I  6 C	
4. Σ 30 C	<b>Master thesis &amp; Colloquium</b>  30 C						
Σ 120 C							

\* Σ C = average workload in different semesters in credits

**Appendix 3: Module list:**

- A01** Organic livestock farming under temperate and tropical conditions
- A02M** Epidemiology of international and tropical animal infectious diseases
- A03M** International and tropical food microbiology and hygiene
- A04** Livestock reproduction physiology
- A05** Aquaculture in the tropics and subtropics
- A06** Global aquaculture production, markets and challenges
- A07** Unconventional livestock and wildlife-management, utilization and conservation
- A08** Socio-ecology in livestock production systems
- A09** Sustainability in organic livestock production under temperate conditions
- A10** Livestock nutrition and breeding under (sub)tropical conditions
- A11** Tropical animal husbandry systems
- A12M** Multidisciplinary research in tropical production systems
- A13M** Livestock-based sustainable land use
  
- E01** World agricultural markets and trade
- E02** Agricultural price theory
- E03** Ecological economics
- E04** Changing societies, intercultural management
- E05M** Marketing research
- E06** International markets and marketing for organic products
- E08M** Econometrics I
- E10** Economics of biological diversity in the tropics and subtropics
- E11** Socioeconomics of rural development and food security
- E12M** Quantitative research methods in rural development economics
- E13M** Microeconomic theory and quantitative methods of agricultural production
- E14** Evaluation of rural development projects and policies
- E15** Strategic management and operations
- E16** Supply chain management
- E17M** Management and management accounting
- E18** Organization of food supply chains
- E19** Market integration and price transmission
- E20** Agricultural policy seminar
- E21** Rural sociology
- E22M** Research methods for business
- E23** Global agricultural value chains and developing countries

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- E24** Topics in Rural Development Economics I
- E25** International forest policy and economics
- E26** Development Economics 1
- E27** Migration, Labour Mobility and Rural Development
- E28** Regional Modelling
  
- I01M** Ecological modelling and GIS
- I02** Management of (sub-)tropical landuse systems
- I03** Food quality and organic food processing
- I06M** Exercise on the quality of tropical and subtropical products
- I07** International land use systems research – an interdisciplinary study tour
- I08** Organic farming under European conditions
- I09** Sustainable nutrition
- I10M** Applied statistical modelling
- I11M** Free project
- I12** Sustainable International Agriculture: basic principles and approaches
  
- P01** Ecology and agroecosystems
- P02** Energetic and technical use of agricultural crops
- P03** Ecological soil microbiology
- P04** Plant nutrition in the tropics and subtropics
- P05** Organic cropping systems under temperate and (sub)tropical conditions
- P06** Soil and water
- P07** Soil and plant science
- P08** Pests and diseases of tropical crops
- P09** Biological control and biodiversity
- P10** Tropical agro-ecosystem functions
- P11** Forest growth, disturbance and mangement in the tropics
- P12** Crops and production systems in the tropics
- P13** Agrobiodiversity and plant genetic resources in the tropics
- P14M** Plant breeding methodology and genetic resources
- P15M** Methods and advances in plant protection
- P16M** Crop and land use modelling
- P17M** Nutrient dynamics: long-term experiments and modelling
- P18M** Ecopedology of the tropics and subtropics

## **Examination and Study Regulations MSc Sustainable International Agriculture**

**P19M** Plant propagation techniques and ecophysiology in the tropics

**P20** Plant nematodoly

**Appendix 4: Pattern of the Master Urkunde / of the Master Certificates**

**b. Pattern of the Master’s Certificates („Official Transcript“)**

Logo der Universität Kassel	Logo der Universität Göttingen
Faculty of Organic Agricultural Sciences	Faculty of Agricultural Sciences

**Master’s Certificate  
(Official Transcript)**

The Faculty of Agricultural Sciences of the Georg-August-Universität Göttingen and the Faculty of Organic Agricultural Sciences of Kassel University certify that

Ms. / Mr. ....,

born on the .....in .....,

has been awarded the degree

**Master of Science**

on the .....(Datum)

upon successful completion of the examination

in the Study Programme „**Sustainable International Agriculture**“

with Specialisation in .....

(Siegel der Hochschulen)

Kassel, .....(Datum)

Göttingen, .....(Datum)

.....

.....

Dean  
of the Faculty of Organic Agricultural Sciences  
Kassel University

Dean  
of the Faculty of Agricultural Sciences  
Georg-August-Universität Göttingen

.

.....

Chair of the Examination Committee

**Appendix 5: Pattern of the Zeugnis / Transcript of Records**

**b. Transcript of Records (Pattern)**

Logo der Universität Kassel	Logo der Universität Göttingen
Faculty of Organic Agricultural Sciences	Faculty of Agricultural Sciences

<b>Transcript of Records</b>	«Anrede»
	«Vorname»
	«Name»
	born «Geburtsdatum» in «Geburtsort»
	has passed the Master examination for the Master's degree programme <b>Sustainable International Agriculture</b> at Kassel University and Georg-August-Universität Göttingen according to § 6 of the examination regulations in the version of xx. month yyyy - see overleaf - with the overall grade <b>«Gesamtnote»</b>

She/He achieved the following grades:

Module (titel)	Grade	ECTS-Credits
1.		
2.		
3.		
...		

Spezialisierung in: .....

Title of Thesis: .....

The Thesis was awarded 30 Credits.

Grade of Thesis: .....

Grade of the area of specialised knowledge: .....

Grade of the area of professionalisation: .....

Standard period of study: 4 semester

Kassel and Göttingen, «Prüfungsdatum»

Dean of the Faculty of Organic Agricultural Sciences, Kassel University («Dekan WIZ»)		Dean of the Faculty of Agricultural Sciences, Georg-August Universität Göttingen («Dekan GÖ»)
Chairman of the joint Examination Board "Sustainable International Agriculture", Kassel and Göttingen University («PA-Vorsitz»)		
(Seal)		(Seal)

**Appendix 6: Pattern of the Diploma Supplement**

# Diploma Supplement

der Universität Kassel und der Georg-August-Universität Göttingen

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is append. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

**1. Persönliche Daten / HOLDER OF THE QUALIFICATION**

1.1 Name, Vorname Family name(s), first name(s)	
1.2 Geburtsort, -datum (Tag, Monat, Jahr), Place, Date of Birth (day, month, year)	
Geburtsland, Country of Birth	
1.3 Matrikelnummer, Student ID Number or Person Code	

**2. Qualifikation / QUALIFICATION**

2.1 Bezeichnung der Qualifikation, Titel Name of Qualifikation, title	<b>Master of Science</b>
Qualifikation, Titel / Abkürzung Qualification, title / Abbreviated	<b>M.Sc.</b>
2.2 Studienfach / Studienschwerpunkt Main Field(s) of Study / Specialisation in	Sustainable International Agriculture / Specialisation in .....
2.3 Name der verleihenden Institution Institution Awarding the Qualification	Universität Kassel (founded 1971) Fachbereich Ökologische Agrarwissenschaften / Georg-August-Universität Göttingen (founded 1737) Fakultät für Agrarwissenschaften
Programm ausführender Fachbereich Institution Administering Studies Department of	Organic Agricultural Sciences / Agricultural Sciences
Status (Type / Control)	University / University (State Institution)
2.4 Unterrichtssprache Language(s) of Instruction / Examination	English

**3. Ebene der Qualifikation / LEVEL OF THE QUALIFICATION**

3.1 Ebene der Qualifikation Level of Qualification	Graduate / Second Degree by research with thesis
3.2 Dauer des Studienprogramms Official Length of Programme	Two years, 120 Credits (ECTS)
3.3 Zugangserfordernisse Access Requirement(s)	Bachelor Degree or equivalent in agriculture or related fields; minimum grade "C" of the average assessment of the final certificate, proof of language skills in English (TOEFL 550 or equivalent)

## Examination and Study Regulations MSc Sustainable International Agriculture

### 4. Studieninhalte und Studienerfolg / CONTENTS AND RESULTS GAINED

4.1 Form des Studiums / Mode of Study	Full-time
4.2 Studienanforderungen Program Requirements	<p>Master program with research orientated profile: modules are based on a wide range of thematic fields: plant and soil science, animal science, economics and social science, environmental science, food quality.</p> <p>Minimum standards required for the qualification: The Master program contains three compulsory modules (18 Credits), six mandatory modules (36 Credits), six elective modules (36 Credits), the Master's thesis (24 Credits) and the Disputation (6 Credits).</p> <p>Learning outcomes, skills: Well-grounded knowledge and core Competencies. overview of the connections within the subject, capability to work independently and in interdisciplinary cooperation on specific and systemic problems in Sustainable agriculture, considering the production and organisation as well under temperate, tropical or subtropical conditions and regions as in their intercultural context with scientific methods.</p>
4.3 Verlauf des Studiums / Program Details	In detail see Transcript of Records for modules, examinations (written and oral), and topics of thesis, including gradings
4.4 Notenskala Grading Scheme	General grading scheme cf. Sec. 8.6 -
4.5 Gesamtbewertung Overall Classification	The overall grade is composed of the grades obtained in the modules including the Master Thesis, weighted according to the number of credits per individual module, as specified in the "Transcript of Records".

### 5. Funktion der Qualifikation / FUNCTION OF THE QUALIFICATION

5.1 Zugang zu weiteren Studien Access to Further Study	Qualification to apply for doctoral studies
5.2 Beruflicher Status Professional Status	<p>Master of Science is a second job qualification degree. Holders of the Master of Science Degree in Sustainable International Agriculture are qualified to assume responsible positions in food and agriculture related enterprises and institutions for management, consulting and research, in particular those involved in international activities. The graduates are also qualified to assume positions in the higher level ("höherer Dienst") of Civil Service.</p>

### 6. Zusätzliche Informationen / ADDITIONAL INFORMATION

6.1 Zusätzliche Informationen Additional Information	The Master Course in Sustainable International Agriculture is accredited by the accreditation agency ZEvA.
6.2 Weitere Informationsquellen Additional Information Sources	Institution: <a href="http://www.uni-kassel.de">www.uni-kassel.de</a> / <a href="http://www.uni-goettingen.de">www.uni-goettingen.de</a> Programm:

### 7. Zertifizierung / CERTIFICATION

7.1 Ort / Datum der Ausstellung Place / Date of Certification	
7.2 Unterzeichnende Person / Dienststellung Certifying Official (Name, Title) Signature	<p>Chair</p> <p>- Joint Examination Board Kassel and Göttingen University -</p>
7.3 Siegel / Stempel Seal / Stamp	

## Examination and Study Regulations MSc Sustainable International Agriculture

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### 8. Nationales Hochschulsystem / NATIONAL HIGHER EDUCATION SYSTEM

The information on the German higher education system on the following pages provides a context for the qualification and the type of higher education awarded (DSDoc 01/03.00).

**8. INFORMATION ON THE GERMAN HIGHER EDUCATION SYSTEM<sup>1</sup>**

**8.1. Types of Institutions and Institutional Control**

Higher education (HE) studies in Germany are offered at three types of *Hochschulen*<sup>2</sup>

- *Universitäten* (Universities), including various specialized institutions, comprise the whole range of academic disciplines. In the German tradition, universities are also institutional foci of, in particular, basic research, so that advanced stages of study have strong theoretical orientations and research-oriented components.
- *Fachhochschulen* (Universities of Applied Sciences): Programs concentrate in engineering and other technical disciplines, business-related studies, social work, and design areas. The common mission of applied research and development implies a distinct application-oriented focus and professional character of studies, which include one or two semesters of integrated and supervised work assignments in industry, enterprises or other relevant institutions.
- *Kunst- und Musikhochschulen* (Colleges of Art/Music, etc.) offer graduate studies for artistic careers in fine arts, performing arts and music; in such fields as directing, production, writing in theatre, film, and other media; and in a variety of design areas, architecture, media and communication.

<sup>1</sup> The information covers only aspects directly relevant to purposes of the Diploma Supplement. All Information as of 1 Jan 2000.

<sup>2</sup> Hochschule is the generic term for higher education institutions.

HE institutions are either state or state-recognized institutions. In their operations, including the organization of studies and the designation and award of degrees, they are both subject to HE legislation.

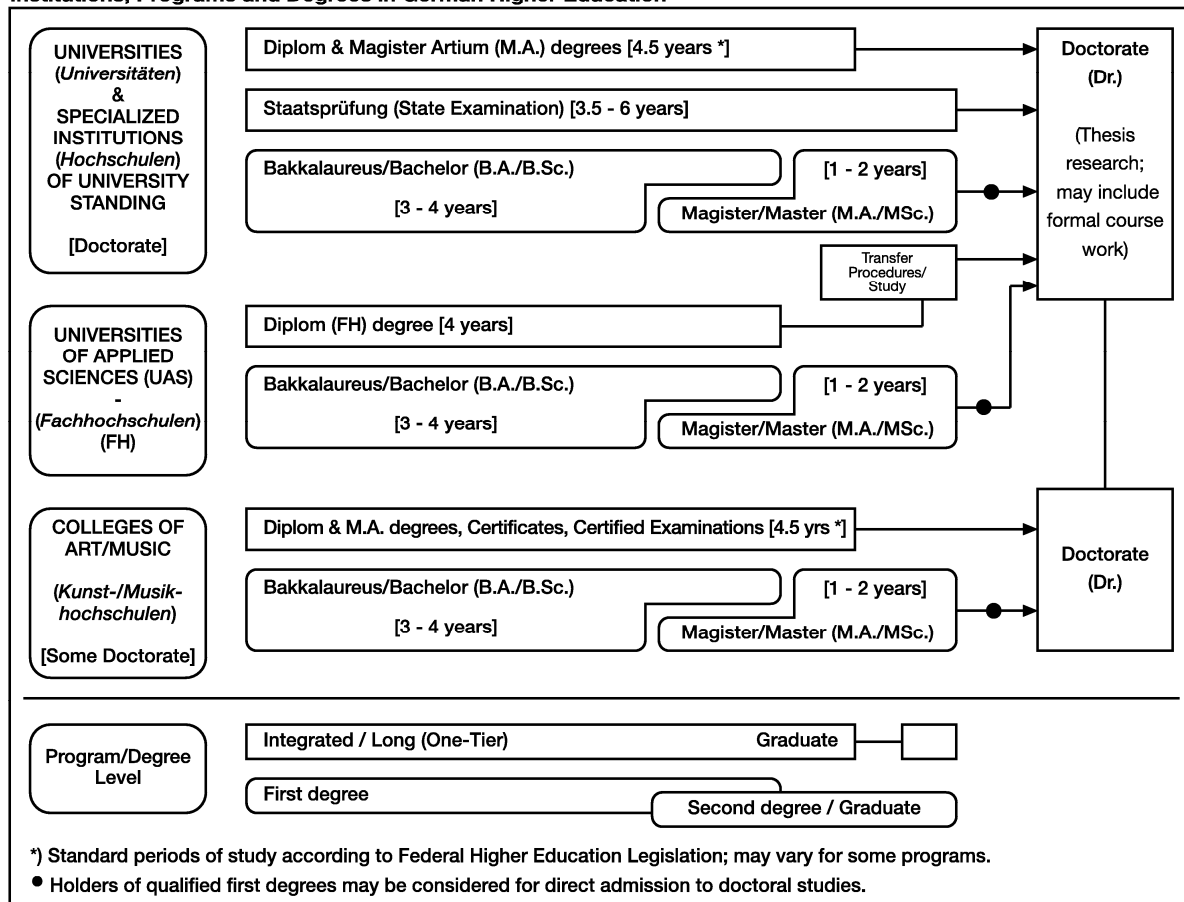
**8.2 Types of programs and degrees awarded**

- Studies in all three types of institutions are traditionally offered in integrated "long" (one-tier) programs leading to *Diplom-* or *Magister Artium* degrees or completion by a *Staatsprüfung* (State Examination).
- In 1998, a new scheme of first- and second-level degree programs (*Bakkalaureus/Bachelor* and *Magister/Master*) was introduced to be offered parallel to or *in lieu* of established integrated "long" programs. While these programs are designed to provide enlarged variety and flexibility to students in planning and pursuing educational objectives, they enhance also international compatibility of studies.
- For details cf. Sec. 8.41 and Sec. 8.42, respectively. Table 1 provides a synoptic summary.

**8.3 Approval/Accreditation of Programs and Degrees**

To ensure quality and comparability of qualifications, the organization of studies and general degree requirements have to conform to principles and regulations jointly established by the Standing Conference of Ministers of

**Institutions, Programs and Degrees in German Higher Education**



Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany (KMK) and the Association of German Universities and other Higher Education Institutions (HRK). In 1999, a system of accreditation for programs of study has become operational under the control of an Accreditation Council at national level. Programs and qualifications accredited under this scheme are designated accordingly in the Diploma Supplement.

### 8.4 Organization of Studies

#### 8.41 Integrated "Long" Programs (One-Tier):

##### *Diplom degrees, Magister Artium, Staatsprüfung*

Studies are either mono-disciplinary (single subject, *Diplom* degrees, most programs completed by a *Staatsprüfung*) or comprise a combination of either two major or one major and two minor fields (*Magister Artium*). As common characteristics, in the absence of intermediate (first-level) degrees, studies are divided into two stages. The first stage (1.5 to 2 years) focuses - without any components of general education - on broad orientations and foundations of the field(s) of study including propaedeutical subjects. An Intermediate Examination (*Diplom-Vorprüfung* for *Diplom* degrees; *Zwischenprüfung* or credit requirements for the M.A.) is prerequisite to enter the second stage of advanced studies and specializations. Degree requirements always include submission of a thesis (up to 6 months duration) and comprehensive final written and oral examinations. Similar regulations apply to studies leading to a *Staatsprüfung*.

- Studies at *Universities* last usually 4.5 years (*Diplom* degree, *Magister Artium*) or 3.5 to 6 years (*Staatsprüfung*). The *Diplom* degree is awarded in engineering disciplines, the exact/natural and economic sciences. In the humanities, the corresponding degree is usually the *Magister Artium* (M.A.). In the social sciences, the practice varies as a matter of institutional traditions. Studies preparing for the legal, medical, pharmaceutical and teaching professions are completed by a *Staatsprüfung*. The three qualifications are academically equivalent. As the final (and only) degrees offered in these programs at graduate-level, they qualify to apply for admission to doctoral studies, cf. Sec. 8.5.
- Studies at *Fachhochschulen* (FH) /Universities of Applied Sciences (UAS) last 4 years and lead to a *Diplom* (FH) degree. While the FH/UAS are non-doctorate granting institutions, qualified graduates may pursue doctoral work at doctorate-granting institutions, cf. Sec. 8.5.
- Studies at *Kunst- and Musikhochschulen* (Colleges of Art/Music, etc.) are more flexible in their organization, depending on the field and individual objectives. In addition to *Diplom/Magister* degrees, awards include Certificates and Certified Examinations for specialized areas and professional purposes.

#### 8.42 First/Second Degree Programs (Two-tier): *Bakkalaureus/Bachelor, Magister/Master degrees*

These programs apply to all three types of institutions. Their organization makes use of credit point systems and modular components. First degree programs (3 to 4 years) lead to *Bakkalaureus/Bachelor* degrees (B.A., B.Sc.). Graduate second degree programs (1 to 2 years) lead to *Magister/Master* degrees (M.A., M.Sc.). Both may be awarded in dedicated form to indicate particular

specializations or applied/professional orientations (B./M. of ... ; B.A., B.Sc. or M.A., M.Sc. in ... ). All degrees include a thesis requirement.

### 8.5 Doctorate

Universities, most specialized institutions and some Colleges of Art/Music are doctorate-granting institutions. Formal prerequisite for admission to doctoral work is a qualified *Diplom* or *Magister/Master* degree, a *Staatsprüfung*, or a foreign equivalent. Admission further requires the acceptance of the Dissertation research project by a supervisor. Holders of a qualified *Diplom* (FH) degree or other first degrees may be admitted for doctoral studies with specified additional requirements.

### 8.6 Grading Scheme

The grading scheme usually comprises five levels (with numerical equivalents; intermediate grades may be given): "*Sehr Gut*" (1) = Very Good; "*Gut*" (2) = Good; "*Befriedigend*" (3) = Satisfactory; "*Ausreichend*" (4) = Sufficient; "*Nicht ausreichend*" (5) = Non-Sufficient/Fail. The minimum passing grade is "*Ausreichend*" (4). Verbal designations of grades may vary in some cases and for doctoral degrees. Some institutions may also use the ECTS grading scheme.

### 8.7 Access to Higher Education

The General Higher Education Entrance Qualification (*Allgemeine Hochschulreife, Abitur*) after 12 to 13 years of schooling gives access to all higher education studies. Specialized variants (*Fachgebundene Hochschulreife*) allow for admission to particular disciplines. Access to *Fachhochschulen* (UAS) is also possible after 12 years (*Fachhochschulreife*). Admission to Colleges of Art/Music may be based on other or require additional evidence demonstrating individual aptitude.

### 8.8 National Sources of Information

- *Kultusministerkonferenz* (KMK) [Standing Conference of Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany] - Lennéstrasse 6, D-53113 Bonn; Fax: +49/[0]228/501-229; with
  - Central Office for Foreign Education (ZaB) as German NARIC and ENIC; www.kmk.org; E-Mail: zab@kmk.org
  - "Documentation and Educational Information Service" as German EURYDICE-Unit, providing the national dossier on the education system (EURYBASE, annual update, www.eurydice.org; E-Mail eurydice@kmk.org).
- *Hochschulrektorenkonferenz* (HRK) [Association of German Universities and other Higher Education Institutions]. Its "Higher Education Compass" (www.higher-education-compass.hrk.de) features comprehensive information on institutions, programs of study, etc. Ahrstrasse 39, D-53175 Bonn; Fax: +49/[0]228 / 887-210; E-Mail: sekr@hrk.de

**Appendix 7: Pattern of the Master Urkunde in the Double-Degree-Programme with the University of Heredia**

**a) Pattern of the Master’s Certificate**

Logo University of Kassel	Logo University of Göttingen
Faculty of Organic Agricultural Sciences	Faculty of Agricultural Sciences

**Master’s Certificate**

The Georg-August-Universität Göttingen, Faculty of Agricultural Sciences, and Kassel University, Faculty of Organic Agricultural Sciences certify that

Ms. / Mr. ....,  
 born on the .....in .....,  
 has been awarded the degree

**Master of Science**

on the .....(Date)  
 upon successful completion of the examination  
 in the Study Programme „**Sustainable International Agriculture**“  
 with Specialisation in .....

The Degree was awarded within the framework of a Double Degree Programme in cooperation with the University of Heredia. This Master’s Certificate is only valid in conjunction with the Master’s Certificate issued by the University of Heredia. Both certificates together represent the deed.

(Seal of the Universities)

Kassel, .....(Date)  
 .....(Date)  
 .....

Göttingen,  
  
 Dean  
 of the Faculty of Agricultural Sciences,  
 Georg-August-Universität Göttingen

Dean  
 of the Faculty of Organic Agricultural Sciences  
 University of Kassel

.....  
 Chair of the Examination Committee

**Appendix 8: Pattern of the Master Urkunde in the Double-Degree-Programme with the University of Talca**

**a) Pattern of the Master's Certificate**

Logo University of Kassel	Logo University of Göttingen
Faculty of Organic Agricultural Sciences	Faculty of Agricultural Sciences

## Master's Certificate

The Georg-August-Universität Göttingen, Faculty of Agricultural Sciences,  
and Kassel University, Faculty of Organic Agricultural Sciences  
certify that

Ms. / Mr. ....,  
born on the .....in .....,  
has been awarded the degree

## Master of Science

on the .....(Date)  
upon successful completion of the examination  
in the Study Programme „**Sustainable International Agriculture**“  
with Specialisation in .....

The Degree was awarded within the framework of a Double Degree Programme in cooperation  
with the University of Talca. This Master's Certificate is only valid in conjunction with the Master's  
Certificate issued by the University of Talca. Both certificates together represent the deed.

(Seal of the Universities)

Kassel, .....(Date)  
.....(Date)  
.....  
Dean  
of the Faculty of Organic Agricultural Sciences  
University of Kassel

Göttingen,  
  
Dean  
of the Faculty of Agricultural Sciences,  
Georg-August-Universität Göttingen

.....  
Chair of the Examination Committee