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**Faculty of Agricultural Sciences:**

Following the resolutions of the the Departmental Council of the Faculty of Ecological Agricultural Sciences at University of Kassel dated 14.07.2021 and the Faculty Council of the Faculty of Agricultural Sciences at University of Göttingen dated 24.06.2021 and upon approval of the Senate of University of Kassel dated 08.12.2021, the Presidential Board of University of Kassel did, on 17.01.2022, and the Presidential Board of University of Göttingen did, on 31.01.2022, approve the eighth amendment to the examination and study regulations for the consecutive Master's degree programme "Sustainable International Agriculture" in the version of the announcement dated 22.09.2011 (Official Announcements I no. 6/2011 p. 177), last amended by the resolution of the Presidential Board of University of Kassel dated 11.12.2020 and the Presidential Board of University of Göttingen dated 31.03.2021 (Official Announcements I no. 17/2021 p. 240), (§ 44 section 1 sentence 2 no. 1 Hessisches Hochschulgesetz (HHG) in the version of the announcement dated 14.12.2009 (Hess. GVBI (Lower Saxony Law and Official Gazette) I p. 666), last amended by Article 2 of the Act dated 18.12.2017 (Hess. GVBI (Lower Saxony Law and Official Gazette) I p. 482), and § 44 section 1 sentence 2 Higher Education Act of Lower Saxony in the version of the announcement dated 26.02.2007 (Nds. GVBI (Lower Saxony Law and Official Gazette) p. 69), last amended by Article 14 of the Act dated 16.12.2021 (Nds. GVBI (Lower Saxony Law and Official Gazette) p. 883); § 36 section 2 sentence 1 no. 5 HHG; § 41 section 2 sentence 2 NHG; § 37 section 5 sentence 1 HHG; §§ 37 section 1 sentence 3 no. 5 b), 44 section 1 sentence 3 NHG).

**Examination and study regulations for the consecutive Master's degree programme  
"Sustainable International Agriculture" at the University of Kassel and the University of  
Göttingen**

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\*Please refer to the German version of the examination and study regulations

## **§ 1 Scope, purpose of the examinations**

(1) <sup>1</sup>The "General examination regulations for Bachelor's and Master's degree programmes and the courses and degrees offered at the University of Göttingen" (APO) and the "General terms for specialist examination regulations for bachelor and Master degrees at the University of Kassel" (AB Bachelor/Master) in their most recent versions shall apply to the Master's degree programme "Sustainable International Agriculture". <sup>2</sup>In the event that there should be contradictory provisions between the APO and the AB Bachelor/Master, the terms of the university providing the module shall apply; however, this shall not apply if one of the sets of regulations does not contain any provisions on a matter. <sup>3</sup>These examination and study regulations furthermore contain additional and specific provisions for subjects and degree programmes and shall detail the goals, contents and course of the Master's degree programme.

(2) The Master examination in the research-oriented degree programme is intended to ascertain whether the examination candidates have acquired the fundamental specialised knowledge required to transition into professional practice, possess a grasp of the specialist contexts, and understand, as experts, how to apply more advanced scientific methods and insight in order to work as scientists in a specialist occupational field.

## **§ 2 Areas of activity and goals of the studies**

(1) The teaching and research in the Master's degree programme in sustainable international agriculture are based on the priorities defined in the Rio Agenda: development, environment and fighting poverty.

(2) In the Master's degree programme, the focus of education shall be

- on specific education in the selected study focus,
- on the processing of academic questions and
- on critical appraisal of practical problems.

(3) <sup>1</sup>The academic programme in sustainable international agriculture prepares the students for work as specialists and executives in European and international agriculture administration, in ecological agriculture, in areas of the economy up and downstream from agriculture and academic fields. <sup>2</sup>Agriculture scientists with an emphasis in sustainable international agriculture are active:

- for institutions involved in bilateral development cooperation,
- for international organisations,
- at universities and research centres in Germany and abroad,
- for non-government organisations,
- as consultants, both freelance and as assessors,
- in agriculture administration,
- in financing institutions,
- within the framework of agricultural and rural development programmes.

(4) Among other things, the general and specialised aims of the course of studies are the acquisition

- of skills required to make a contribution to agricultural areas around the world by means of an efficient use of resources;
- of understanding of the contexts within the agricultural sector in the global ecosystem;
- the ability to apply scientific insight and methods in an international context within agriculture and ecological agriculture;
- profound knowledge of bio-physical and socio-economic location conditions and the ability to apply these skills in the interests of sustainably securing the foundations for the regional and global supply of food;
- the ability to apply laboratory methods in agricultural sciences and analysis, technical methodologies or quantitative or qualitative survey methods and to interpret their results;
- the ability to process and present analytic, structural and other data with the methods of agriculture information technology;
- the ability to use and assess natural science literature and other forms of documentation;
- the ability to present test results in writing, verbally and in illustrations;
- social and methodical skills and
- the ability to organise work.

(5) The master's examination is used to ascertain that the candidate has acquired the fundamental specialised knowledge and other knowledge required to transition into professional life, has a sufficient grasp of the specialist contexts and also the capacity to work according to scientific principles, to convey scientific knowledge and to reflect on, and assess, the knowledge acquired with regard to its contexts of application.

(6) <sup>1</sup>The Master's degree programme also serves the purpose of ascertaining whether the student has sufficient aptitude and inclination to progress to doctoral studies. <sup>2</sup>Doctoral studies may follow successful completion of the master examination.

### **§ 3 Start of programme, places of study, duration, language**

(1) Including completion of the master's thesis and completion of the examinations, the standard course length is four semesters and 120 credits.

(2) The Master's degree programme starts in the winter semester.

(3) The Master's degree programme is held at the University of Kassel and the University of Göttingen.

(4) <sup>1</sup>A limited number of places will be available for students with a certain study focus to complete their course of studies as part of a double degree programme, subject to application. <sup>2</sup>If admitted to a double degree programme, students shall also attend the universities in Heredia (Costa Rica) or Talca (Chile).

(5) The programme is concluded at the end of the semester in which the Master examination is passed.

(6) Both the course and the examinations for the Master degree programme in 'Sustainable International Agriculture' will be held and examined in English.

### **§ 4 Programme structure, study focus**

(1) <sup>1</sup>The Master's degree programme offers the study focuses in "International Agribusiness and Rural Development Economics", "International Organic Agriculture" and "Tropical Agricultural and Agroecosystems Sciences". <sup>2</sup>Students are required to select one study focus and must notify the Examination Office of their choice in writing upon registration to the first module examination. <sup>3</sup>Students may change their study focus on only one occasion and only following consultation with their mentor. <sup>4</sup>The mentor shall keep minutes of this consultation, which the student must submit to the Examination Office with the written notification on the change in study focus.

(2) A study focus is defined by the compulsory modules and the optional required (elective compulsory) modules, grouped in focus areas, according to § 6 section 2.

(3) <sup>1</sup>The Master's degree programme in "Sustainable International Agriculture" conveys profound knowledge of bio-physical and socio-economic location conditions and the ability to apply these skills in the interests of sustainably securing the foundations for the regional and global supply of food. <sup>2</sup>Its aim is to enable students to make contributions to the resource-efficient development of agricultural sites around the world, to understand the global contexts of ecosystems in terms of agriculture and to independently apply social and methodical skills, scientific knowledge and quantitative and qualitative survey methods within an international agricultural context and in ecological agriculture. <sup>3</sup>In this context, the study focus "International Agribusiness and Rural Development Economics" concentrates on content relating to business and social sciences and skills; the study focus "International Organic Agriculture" centres on ecological agriculture under the different climactic and regional conditions around the world; and the study focus "Tropical Agricultural and Agroecosystems Sciences" is concerned with suitable cultivation of land in regions with a (sub)tropical climate.

(4) <sup>1</sup>Unlike in § 6 section 2 APO, the compulsory modules in this Master's degree programme are modules that all students, or students from certain study focuses, must attend. <sup>2</sup>Optional required (elective compulsory) modules are modules of which a certain number listed in a catalogue must be completed. <sup>3</sup>Optional (elective) modules facilitate individualised structuring of the course of studies.

## **§ 5 Academic title, certificates, degree certificates**

(1) Once the master's examination is passed, the University of Göttingen and the University of Kassel jointly award the academic degree 'Master of Science' (abbreviated: "M.Sc.")

(2) The University of Göttingen and the University of Kassel issue graduates with a joint degree certificate for the university degree acquired.

(3) <sup>1</sup>The candidates shall receive a certificate from the Universities of Göttingen and Kassel on the successful completion of the master examination. <sup>2</sup>The following shall be included in the certificate:

- the selected study focus

- all modules completed, including the credits awarded for each and the module grades, provided that the student has successfully acquired the credits,
- the current average grade,
- the topic and grade of the master examination,
- if applicable a reference to the successful completion of the practical phase,
- the grades in the study focus,
- the results of examinations in voluntary supplementary modules and
- the standard course length.

<sup>3</sup>The certificate shall be signed by the chairman of the examination board and, contrary to § 17 I 4 APO, by the Dean of the Department of Ecological Agricultural Sciences or the Dean of the Faculty of Agricultural Sciences.

(4) <sup>1</sup>The Universities of Göttingen and Kassel shall award the graduates a diploma supplement in English, documenting in an understandable form the structure of the degree programme and the modules assigned to the examination prerequisites (template in appendix 6). <sup>2</sup>The diploma supplement shall also include an ECTS grading table, which shall specify in percentages the marks achieved so far by the students over the defined period; this period shall be at least two, and no more than five, years; the reference group shall be the graduates of the degree programme completed; the reference group and the period of reference must be stated.

(5) At the same time as the certificate and the degree certificate, the examinee shall also receive an English-language transcript of records and an English-language translation of the degree certificate ('official transcript').

(6) Before the certificate is awarded and on application, the examinee shall be issued with all certifications of examinations passed.

## **§ 6 Structure of the course of studies, master's examination**

(1) The master's examination consists of:

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

(2) The following modules must be successfully completed as defined in appendix 1:

- a) In the study focus "International Agribusiness and Rural Development Economics" 4 compulsory modules, 5 optional required (elective compulsory) modules (including at least 1

module to train work methodology) and 6 optional (elective) modules with a scope of 6 credits, selected from the curriculum in the chosen study focus (see appendix 1 no. 1 letter a)

b) In the study focus “International Organic Agriculture” 1 bridge module (on application to the examination board citing a previous degree course, this can be replaced with an optional required (elective compulsory) module), 4 compulsory modules, 4 optional required (elective compulsory) modules (including at least 1 module to train work methodology) and 6 optional (elective) modules with a scope of 6 credits, selected from the courses offered in the chosen study focus (see appendix 1 no. 1 letter b)

c) In the study focus “Tropical Agricultural and Agroecosystems Sciences” 1 bridge module (on application to the examination board citing a previous degree course, this can be replaced with an optional required (elective compulsory) module) 4 compulsory modules, 4 optional required (elective compulsory) modules (including at least 1 module to train work methodology) and 6 optional (elective) modules with a scope of 6 credits, selected from the courses offered in the chosen study focus (see appendix 1 no. 1 letter no. 1 letter c).

d) Optional required (elective compulsory) modules in the selected study focus may also be completed as optional (elective) modules, provided they have not already been selected.

e) Consideration of modules in technically related Master's degree programmes as optional required (elective compulsory) modules or optional (elective) modules shall take place exclusively upon application by the student and approval by the examination board; any decision to approve shall be made on the basis of the written report by the mentor, which must be included with the application. Master's degree programmes deemed technically related shall be those that focus on agricultural sciences, plant sciences, animal sciences, resource management, natural sciences or business and social sciences in particular.

(3) <sup>1</sup>The master's thesis and a colloquium on the master's thesis shall together be considered a module with a total rating of 30 credits (master module). <sup>2</sup>Calculation of the current average grade for the master module shall take place by pro rata weighting of the master's thesis and the colloquium in a ratio of 3 (for the master's thesis) to 1 (for the colloquium).

(4) <sup>1</sup>The study and examination components should be completed in compulsory modules, optional required (elective compulsory) modules and optional (elective) modules. <sup>2</sup>The number, type and scope of the modules to be successfully completed are governed by the module overview (appendix 1). <sup>3</sup>To find a proposal for the structure of the course of studies, please refer to the enclosed curricula of the study periods (appendix II). <sup>4</sup>The module catalogue and module handbook are published separately in a common electronic version (digital module directory). They form part of these regulations, in as far as the modules are itemised in the



module overview (appendix I).

### **§ 7 Teaching and learning types**

(1) The communication of teaching and learning content takes place in the form of lecture courses, exercises, internships, seminar courses and project work.

(2) In addition to individual study, group work is also possible. Presentations, projects and papers can also be completed as group work.

(3) <sup>1</sup>The content and scope of the courses are designed in such a way that the students must provide preliminary groundwork and also follow-up work. <sup>2</sup>Independent scientific study is apportioned a special significance in all phases of the programme, and is intended to promote critical, methodical and creative thinking and the ability to independently process complex tasks.

### **§ 8 Limitations on entry to the courses and modules**

(1) <sup>1</sup>Certain courses are offered with a limited number of participant places. These include:

- a) excursions,
- b) exercises,
- c) internships and
- d) seminar courses.

<sup>2</sup>The teachers in these courses and modules shall inform the students of the designated number of places and shall allocate these places. <sup>3</sup>The examination board shall decide in disputed cases.

(2) <sup>1</sup>In the event that the number of registrations received exceeds the scope of places available, students who in accordance with the study and examination regulations are required to complete as compulsory modules the course and module for which there are limited places only, or whose completion of the degree programme is imminent, shall be given preferential treatment. <sup>2</sup>In this, the students in the highest subject semester, and who prove that they possess appropriate entry requirements or are not responsible for a delay of the course of studies, will have priority. <sup>3</sup>The selection of students with equal entitlement to admission is decided by a draw. <sup>4</sup>A deferment because of missing proof under sentence 2 is permitted no more than twice.

(3) A right to participate in a course or a module can be enforced up until the start of the teaching event.

(4) If it is not possible to consider all students required to attend the event as a module included in the compulsory modules or optional required (elective compulsory) modules in their curriculum, a sufficient, higher number of places shall be allocated for the following semester, subject to sufficient staffing and technical facilities.

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

(1) The registration for, and withdrawal from, module examinations is completed in writing or electronically by notification to the examination board in the defined form and period.

(2) The registration for practical module examinations during the teaching period is completed in writing or electronically by notification to the examination board in the defined form and period.

(3) Registration for other module examinations during the teaching period must be completed at the start of seminars.

(4) Upon registration, it is necessary to clarify whether the candidate has failed an equivalent examination result in the same or a comparable degree programme or whether the examination process is pending.

### **§ 10 Forms and scope of examination components**

(1) <sup>1</sup>A module examination can also take the form of project work, portfolio or testates in addition to the forms of examination components listed in § 15 APO and § 10 AB Bachelor/Master. <sup>2</sup>In a project work, the examination candidate must demonstrate that he or she is able to independently process a complex problem and to develop autonomous solutions on the basis of scientific methods. <sup>3</sup>This may relate to case studies, empirical surveys or similar matters. <sup>4</sup>The examination consists of an oral presentation and/or an elaboration of the results in a text form. <sup>5</sup>Project work can be presented in an optional (elective) module as a module examination in place of the examination form specified in the catalogue of modules. <sup>6</sup>In total, project work can account for no more 12 C when replacing a module examination. <sup>7</sup>In a portfolio, the student documents and reflects on his or her work and learning outcomes over the course of the semester by submitting independently produced work results or posting them online on an ongoing basis. <sup>8</sup>Such a portfolio may contain: Learning journal, learning diary, project work, work assignments in text form (e.g. report, commentary, protocol) or oral work assignments (e.g.

presentation, speech). <sup>9</sup>More detailed information can be found in the module description. <sup>10</sup>Study achievements within the framework of exercises and laboratory practicals in particular are certified by means of tests. <sup>11</sup>In tests, the person to be tested should show that he/she can apply the knowledge imparted and/or has practised the subject-specific methods; the performance review shall take place continuously either before, during or immediately after completion of the relevant module courses. <sup>12</sup>The examination consists of regular short oral tests or tests in text form on the course material. <sup>13</sup>More details are regulated in the module description.

(2) <sup>1</sup>Oral examinations shall last approx. 25 minutes per candidate, unless otherwise specified in the catalogue of modules. <sup>2</sup>Written examinations shall last approx. 90 minutes per candidate, unless otherwise specified in the catalogue of modules. <sup>3</sup>The scope of a term paper shall be no more than 20 pages.

(3) <sup>1</sup>Insofar as alternative examination forms and scopes are defined in a module catalogue, the nature and scope of the examination results must be defined and announced in a suitable form at the start of the semester in which the module commences. <sup>2</sup>The Faculty Council shall rule in this respect; the examination regulations may contain different specifications. <sup>3</sup>If the nature of a study or examination component means that, in an abstract sense, it is not possible to define the nature and scope of examination results that must be completed for a course, neither in the module catalogue nor by the Faculty Council, the examiner shall make binding definitions before the start of the examination; these definitions must be recorded.

### **§ 11 Assessment of examination components, grading**

(1) <sup>1</sup>Module examinations shall be graded by one examiner alone. <sup>2</sup>The master's thesis and written examinations that cannot be repeated must be assessed by two examiners. <sup>3</sup>The first correction and second correction must be noted on the examination results.

(2) <sup>1</sup>In the event that an examination consists of several examination components, the grade shall be the arithmetic average of the grades in the individual examination components. <sup>2</sup>In the event that credits are assigned to the individual examination components, the grade shall be the corresponding, weighted arithmetic average of the individual examination components graded. <sup>3</sup>In calculating the grade of an examination component assessed by several examiners, the grade shall be the arithmetic average of the individual examination assessments.

(3) Module examinations should be graded within 6 weeks following the date of examination or

submission.

(4) The examiner shall without delay, but no later than within three workdays following assessment, announce to the Examination Office at the Faculty of Agricultural Sciences at the University of Göttingen the result of an examination.

(5) <sup>1</sup>The Examination Office of the Faculty of Agricultural Sciences at the University of Göttingen shall inform the examination candidate without delay of the examination result. <sup>2</sup>In the event that the examination candidate has not passed a module examination or in the event that the thesis was graded worse than sufficient (4.0), the candidate shall receive written notification from the examination board that should contain instruction on whether and to what extent, also within which period, the module examination, the colloquium or the master's thesis can be repeated. <sup>3</sup>In the event that repetition is no longer possible, peremptory failure must be ascertained. <sup>4</sup>Unlike in sentence 1, the examination board may determine that notification shall be provided by public university announcement or using the electronic examination management system; the interests of the parties involved that are worthy of protection must be preserved.

(6) The current average grade is calculated as the weighted arithmetic average of all grades in all attendant modules, according to credits.

(7) In the event that an English-language translation of the certificate is issued, the grades for the examination components and the current average grade shall be issued according to the following grading scale:

- up to 1.5 (sehr gut): "very good"
- over 1.5 and up to 2.5 (gut): "good"
- over 2.5 and up to 3.5 (befriedigend): "satisfactory"
- over 3.5 and up to 4.0 (ausreichend): "sufficient"
- over 4.0 (nicht ausreichend): "fail".

(8) <sup>1</sup>A rating "with distinction" shall be issued when all individual grades are "very good". <sup>2</sup>The English translation shall be: "excellent".

(9) <sup>1</sup>The results of a supplementary examination shall not be included in calculating the current average grade. <sup>2</sup>It is not possible to convert a voluntary supplementary examination into a module that is considered in the current average grade or to convert a module completed into a voluntary supplementary examination.

## § 12 Defaults and withdrawal

(1) The examination candidate is entitled to withdraw from a module examination within the prescribed period, without providing reasons (withdrawal).

(2) <sup>1</sup>In the event that admission to an examination that in accordance with an examination regulation must be completed within a defined period is refused for reasons for which the examination candidate must bear responsibility (e.g. no proof of enrolment), or if the examination candidate fails to attend the scheduled examination, the examination shall be assessed as "insufficient" (5.0), i.e. "failed", unless the examination board recognises the important reasons provided. <sup>2</sup>The same shall apply when a written examination component is not completed within the specified processing time. <sup>3</sup>Important reasons must be notified immediately in writing to the examination board and must be made plausible. <sup>4</sup>In the case of withdrawal or failure to attend due to illness, a medical certificate specifying the expected duration of the disease causing the inability to take the examination should be produced immediately, unless the illness is obvious. <sup>5</sup>In the event that there is an important reason, a new submission or examination date shall be set. <sup>6</sup>In the event that for a paper or a thesis, the terms of the respective examination regulation place restrictions on extending the processing period, a new topic shall be issued in cases in which the extended processing period has been exceeded for an important reason; this shall not be considered an attempt to take the examination. <sup>7</sup>The existing examination components should be credited in this case. <sup>8</sup>The examination candidate must be informed of any refusal to recognise a matter as an important reason and reasoning thereof must be provided.

(3) The provisions as defined in section 2 shall apply accordingly if the examination candidate intends to withdraw after the beginning or end of the examination component.

(4) In the event of prolonged or recurring illness, the examination board shall be entitled to demand submission of a medical certificate, issued by a physician appointed by the university, in particular a public health officer.

(5) <sup>1</sup>If the examination candidate undertakes efforts to influence the result of study and examination prerequisites through deceit or the use of prohibited aids or also through retroactive exertion of influence on an examiner for one's own or others' advantage, the relevant examination or study prerequisites are assessed as "insufficient (5.0)" or "failed". <sup>2</sup>The consequences specified in sentence 1 may also be recognised in the event that an examination

candidate carries on his or her person prohibited aids or fails to adhere to the citation regulations in the completion of scientific papers when producing term papers, presentations and theses. <sup>3</sup>An examination candidate who has violated the examination regulations or grossly violated the regulations in any other manner, can be excluded by the respective examiners or supervisors from the continuation of the examination or study prerequisites; in this case, the relevant examination prerequisites are assessed as "insufficient (5.0)" or "failed". <sup>4</sup>In the event that there is a particularly serious case of deception or a deception accompanied by a written declaration by the student on the independent production of a paper without prohibited aids, the examination board may exclude the examination candidate from the provision of additional examination prerequisites; repeated violation of sentence 1 shall be considered a serious violation in particular. <sup>5</sup>A decision may be made to refrain from imposing sanctions in less serious cases. <sup>6</sup>If there is suspicion of the use of prohibited aids, the examination candidate is obligated to assist in the clarification and return the aids; should he or she refuse, the relevant examination prerequisites are assessed as "insufficient (5.0)" or "failed". <sup>7</sup>Before a decision under sentence 4 is made, the candidate should be heard.

(6) On application by the examination candidate, the examination board is required to review any decisions according to section 2, 3 and 5 within the period of one month.

(7) The examination candidates must be informed immediately in writing of any incriminating rulings by the examination board; they must be reasoned and accompanied by an instruction on rights of legal recourse.

### **§ 13 Reassessment of examination components**

(1) <sup>1</sup>Failed modules examinations or parts of module examinations or those deemed to have been failed can be retaken twice. <sup>2</sup>In the event that the second repetition of the examination is assessed as "failed" or if it is considered "failed", the module examination shall be deemed definitively failed. <sup>3</sup>In the second repeated examination of compulsory modules, the grade "failed" may only be issued following an additional oral examination.

(2) Failed master theses or those deemed to have been failed can be repeated twice.

(3) The first examination repetition must be completed by no later than the next possible examination date, while the second examination repetition shall be completed within one year following the first repetition.

(4) Repetitions of module examinations must be offered in every semester.

(5) Reassessment with the view to improving the grade is not possible.

(6) Upon application by the student, and on one occasion, a successfully completed module can be converted into a normally credited module by completing a voluntary additional examination, or a completed module converted into a voluntary additional examination.

(7) Failed attempts to complete an examination component in the same or an equivalent degree programme at a different university or equivalent college in the Federal Republic of Germany or abroad shall be taken into account in the opportunities to repeat defined in the section 1.

### **§ 14 Master's thesis**

(1) The master's thesis must deal with and present a problem, independently and using scientific methods, taken from the area of international agricultural sciences.

(2) <sup>1</sup>The master's thesis is intended to demonstrate that the examination candidate is able to independently process and represent a problem within a defined period on the basis of the application of scientific methods. <sup>2</sup>The topic of the master's thesis must correspond with the examination purpose (§1 section 2) and the processing time defined in section 6. <sup>3</sup>The nature of the task and its wording must be defined upon issue of the topic.

(3) <sup>1</sup>A master's thesis can also be completed in group work. <sup>2</sup>The contribution made by the individual examination candidate that is to be assessed and an examination component must be clearly distinguished, suitable for assessment and must satisfy the requirements of section 1; this may be by specifying sections, page numbers or other objective criteria.

(4) <sup>1</sup>The provisional working topic of the master's thesis should be agreed with the proposed academic advisor and submitted with confirmation from the second academic advisor to the examination board concerned. <sup>2</sup>Should an examination candidate be unable to find an academic adviser, the responsible examination board will appoint an academic adviser and a topic. The examination candidate's view shall be considered in choosing the topic. <sup>3</sup>The right to make a proposal for the choice of topic does not result in any legal entitlement.

(5) <sup>1</sup>The Examination Office shall issue the topic; this must be recorded. <sup>2</sup>Upon the issue of the topic, the examiner who defined the topic (first examiner) and the second examiner shall be

appointed upon proposal by the student. <sup>3</sup>One of the two examiners for the master's thesis must be habilitated and an authorised examiner from the Department of Ecological Agricultural Sciences at the University of Kassel or the Faculty of Agricultural Sciences at the University of Göttingen. <sup>4</sup>The examination candidate shall receive support from the examiners while producing the thesis.

(6) <sup>1</sup>The processing time allotted for the master's thesis is 22 weeks. <sup>2</sup>The topic can be returned only once and only within the first eight weeks of the processing time allotted according to sentence 1. <sup>3</sup>In individual cases, and upon reasoned application to the examination board, the processing time may be extended in exceptional cases and for an important reason for which the examination candidate shall not carry responsibility; the extension may take the total period to no more than 30 weeks. <sup>4</sup>In the event that illness is specified as an important reason, notification must be provided immediately and confirmed by medical certificate. <sup>5</sup>Applications for an extension must be placed before the end of the processing time. <sup>6</sup>The academic adviser must agree. <sup>7</sup>In the event that periods are not adhered to without any important reason according to sentence 2, the master's thesis shall be assessed as "failed"; a new topic shall be issued if there is an important reason, according to sentence 2.

(7) <sup>1</sup>The master's thesis must be written in English. <sup>2</sup>Subject to reasoned application by the examination candidate and with the approval of the academic adviser, the examination board may permit a different official language in the European Union, provided that at least three authorised examiners have a sufficient command of this language.

(8) The master's thesis must be handed in to the Examination Office on time; the time of submission must be recorded.

(9) When submitting the master's thesis, the candidate shall declare in writing that he or she has independently compiled the work or – in the case of group work the correspondingly marked proportion of the work – and has not used any sources and tools other than those specified.

(10) In general, the thesis must be marked by both examiners, each with written reasoning, within three weeks following submission.

(11) <sup>1</sup>In the event that the assessments by the examiners differ by more than 2.0, or if one of the examiners marks the master's thesis as "failed", the examination board shall obtain a statement from a third examiner. <sup>2</sup>In these cases, the grade shall be calculated within a further



period of two weeks following receipt of the assessments according to section 9, as specified in § 7 section 2 sentence 3.

(12) <sup>1</sup>Provided that it is not assessed as "failed" or is deemed to have been assessed as "failed", the master's thesis can be repeated on one occasion; a second repetition is not possible. <sup>2</sup>The topic of the master's thesis repetition may only be returned if this option was not already used for the first thesis (section 6 sentence 2).

(13) The new topic of the master's thesis will be issued within an appropriate period, most commonly within three months following assessment of the first thesis.

(14) The master's thesis must be filed with the responsible Examination Office in an electronic form.

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

(1) As a precondition for admission to the master's thesis, students must successfully complete modules in the scope of at least 78 C, including compulsory modules, and at least four optional required (elective compulsory) modules in their degree programme.

(2) <sup>1</sup>A written application for admission to the master's thesis must be submitted to the responsible examination board. <sup>2</sup>The following material must be enclosed with the application:

- a) proof of fulfilment as concerns the requirements specified under section 1,
- b) topic proposal for the master's thesis,
- c) a proposal for the academic advisor or the second academic advisor,
- d) a written confirmation from the first academic advisor and the second academic advisor and
- e) a declaration specifying that the Master examination has not been failed definitively in the same or similar Master's degree programme at a domestic or foreign university.

(3) <sup>1</sup>The examination board shall decide on admission. <sup>2</sup>This should be rejected if the qualifications for entry according to section 2 are not fulfilled or the Master examination in the same or similar Master's degree programme at a domestic or foreign university has been definitively failed.

(4) <sup>1</sup>The chairperson of the examination board shall inform the candidate of a rejection of the application for admission and shall ensure its formal delivery. <sup>2</sup>It must be reasoned and include instructions on the rights of legal recourse.

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

(1) <sup>1</sup>In the colloquium, the examination candidate must, in a discussion (approx. 30 minutes) following his or her introductory presentation (approx. 30 minutes) of the master's thesis, prove that he or she has the capacity to independently process interdisciplinary and problem-related questions on a scientific basis and to allocate them within the overall field of agricultural sciences. <sup>2</sup>In total, the colloquium shall last approximately 60 minutes.

(2) In order to be admitted to the colloquium, the examiners must have graded the master's thesis with at least "sufficient".

(3) The colloquium should be held within six weeks following submission of the master's thesis.

(4) <sup>1</sup>The colloquium shall be held as an examination together with the examiners in the master's thesis. <sup>2</sup>The examination board may appoint up to two additional examiners for interdisciplinary topics, subject to agreement with the examination candidate.

(5) <sup>1</sup>Students in the same degree programme are entitled to attend the colloquium. <sup>2</sup>This shall not apply if the examination candidate objects.

(6) In the event that the colloquium is marked as "failed", it shall be repeated in accordance with § 7 section 1.

### **§ 17 Total grade and peremptory failure**

(1) <sup>1</sup>The Master examination is passed if at least 120 C were acquired and all of the required module examinations as well as the master's thesis have been passed. <sup>2</sup>The course of studies ends after this semester in which the last required examination component was successfully completed.

(2) <sup>1</sup>The Master examination is finally considered failed if in this degree programme

a) a compulsory module has been failed finally or is considered 'failed'

- b) optional required (elective compulsory) modules or optional (elective) modules in a study focus selected can no longer be passed in the required minimum scope,
- c) the master's thesis was not passed in the second attempt or is considered failed.

<sup>2</sup>A notice of definitive failing of the Master examination with information on legal remedies is issued.

## **§ 18 Examination board**

(1) <sup>1</sup>A joint examination board shall be convened, consisting of members of the Department of Ecological Agricultural Sciences at the University of Kassel and members of the Faculty of Agricultural Sciences at the University of Göttingen, in order to organise the examinations and to fulfil the task assigned to the examination board by these examination regulations. It shall consist of five members, these being three members of the professoral group, one faculty member employed full or part-time in teaching, and a member of the group of students. <sup>2</sup>Of the members of the professoral group and the faculty members, one half shall come from the University of Kassel and the other half from the University of Göttingen. <sup>3</sup>At the same time, a deputy is nominated for each member. <sup>4</sup>If a member or a deputy steps down prematurely, a substitute will be elected for the remaining tenure.

(2) <sup>1</sup>The members of the examination board shall be appointed by the respective group representatives in agreement between the departmental council and the Faculty Council. <sup>2</sup>One member of the responsible Examination Office shall attend meetings of the examination board in an advisory capacity.

(3) <sup>1</sup>The examination board shall elect a chairperson and a deputy from the professoral group. <sup>2</sup>The chairperson shall manage ongoing business of the examination board and shall chair the meetings of the examination board. <sup>3</sup>The chairperson is entitled to delegate individual tasks relating to the examination organisation.

(4) <sup>1</sup>The examination board shall have a quorum if the majority of its members, including the chairperson and another member of the professoral group, are present. <sup>2</sup>The student member acts in an advisory capacity only in the assessment and crediting of examination prerequisites.

(5) The examination board does not meet in public.

(6) <sup>1</sup>Minutes are kept on the meetings of the examination board. <sup>2</sup>The main topics of the discussion and the resolutions by the examination board are to be specified in the minutes.

(7) The report from the examination board on the development of examinations and course periods shall be published in a suitable form.

(8) <sup>1</sup>The members of the examination board are entitled to attend the examinations. <sup>2</sup>This right does not extend to advice on, announcement and explanation of the examination grade.

(9) The examination board shall create operating procedures.

(10) <sup>1</sup>The examination board is in charge of reviewing the applications in accordance with § 18 section 6 APO. <sup>2</sup>As defined in § 15 section 3 sentence 1 AB Bachelor/Master, a repeated deceit is considered a particularly severe deceit.

(11) The examination board is in charge of rulings on rescinding administrative acts as concerns the invalidity of an examination in accordance with § 19 APO and § 28 AB Bachelor/Master.

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

### **§ 19 Authorised examiners, examiners**

(1) Unlike in § 11 section 1 APO, the examination board shall decide on the appointment of authorised examiners for the module examinations and for advising on the master's thesis.

(2) <sup>1</sup>Persons may be appointed authorised examiners if they have acquired at least equivalent, specialised qualification in the subject of the examination. <sup>2</sup>The following persons may be appointed as authorised examiners:

- a) university professors,
- b) junior professors,
- c) lecturers,
- d) the academic counsellors on fixed-term contracts and with tenure,
- e) research assistants,
- f) teaching staff for special duties.

<sup>3</sup>The appointment of scientists as defined under section 2 letters d) - f) requires that they have teaching qualifications in the examination subject. <sup>4</sup>Authorised examiners must be members of the University of Kassel or the University of Göttingen.

(3) The examination board shall ensure that the examination candidate has been informed of the authorised examiners by special appointment by no later than 14 days before the examination.

## **§ 20 Examination periods, examination dates, inspection of examination records**

(1) <sup>1</sup>Two examination periods, each lasting three weeks, will be scheduled by the examination board for each semester. <sup>2</sup>For each of the module types they shall be at the start and the end of the semester, but no more than one week within the period of lectures. <sup>3</sup>Exceptions may be granted in the event of block courses.

(2) The deadlines for the module examinations within the examination period shall be defined by the parties responsible for the modules in agreement with the chairperson of the examination board and shall be announced to the university public in the online examination system no later than six weeks before the module examination.

(3) Justified cases that necessitate a deviation from the provisions defined in sections 1 and 2 shall be dealt with in agreement with the chairperson of the examination board.

(4) <sup>1</sup>Unlike in § 22 section 2 APO, the examination candidate shall be granted, within one year following completion of the examination process and subject to their own application to the chairperson of the examination board, the right to inspect his or her examination work, the corresponding reviews and the examination protocols. <sup>2</sup>The chairperson shall decide on the time and place of inspection.

## **§ 21 Crediting of study periods, programme and examination components**

(1) The examination board is responsible for crediting of the examination components and periods completed abroad.

(2) Credits for external examination components will be noted in the certificate.

(3) In the event that course and examination components are not detailed with comparable credits, the student workload shall be defined by the examination board, unlike in § 13 section 6 APO, with consideration of the weekly lecture hours.

(4) Study periods, course and examination components which a student completes within the framework of student exchange or student mobility programme and operate under a learning agreement shall be recognised.

## **§ 22** *(withdrawn)*

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

(1) Students with the study focus 'International Agribusiness and Rural Development Economics' in the Master's degree programme 'Sustainable International Agriculture' at the Universities of Göttingen and Kassel and students in the Master's degree programme "MSc. International Agribusiness and Rural Development" at the Universidad de Talca (UNA) may apply at the same time as their application for the degree programme to take part in the SIA degree programme in cooperation with the University of Talca (Chile).

(2) <sup>1</sup>Participation in the double degree programme in cooperation with the University of Talca (Chile) is restricted to no more than eight students. <sup>2</sup>A selection procedure shall be conducted. <sup>3</sup>The selection committee shall consist of one member of the professoral group from the Universities of Göttingen, Kassel and Talca. <sup>4</sup>The members will be selected by the faculty or departmental councils at each university respectively.

(3) The following documents must be enclosed with the personally signed application:

- the applicant's degrees certificate in the form of certified transcript or certified English translations,
- a written presentation detailing the applicant's motivation for inclusion in the double degree programme and the aims of his or her studies and
- a curriculum vitae in tabular form and in the English language (according to the Europass template), detailing concisely the educational path that demonstrates which practical professional skills and other specialist qualifications the applicant is able to present.

(4) <sup>1</sup>The selection committee in the degree programme makes its selection on the basis of the following criteria.

aa) Grade of the Bachelor 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) Reasons for motivation to study (max. 4 points)

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

cc) Practical knowledge of the vocational field and other specialist qualifications relevant to the degree programme

(max. 4 points),

very substantial knowledge	4 points,
substantial knowledge	3 points,
average knowledge	2 points,
poor knowledge	1 point,
no knowledge	0 points,

<sup>2</sup>In the event of equal points, the grade from the Bachelor's degree or an equivalent degree will be deemed decisive.

(5) <sup>1</sup>Students participating in the double degree programme in cooperation with the University of Talca shall complete in their first year of studies at the University of Talca: 1 compulsory module, 4 optional required (elective compulsory) modules and 5 optional (elective) modules as defined in appendix 1 no. 3 letter a. <sup>2</sup>In their third semester they shall complete 3 compulsory modules and 2 other optional required (elective compulsory) or optional (elective) modules from the courses offered in the study focus 'International Agribusiness and Rural Development Economics' at the universities of Göttingen and Kassel (see appendix 1 no. 3 letter b).

(6) The master's thesis shall receive support by one academic adviser at the Universities of Göttingen or Kassel and one academic adviser from the University of Heredia.

(7) Once the Master examination and the master's thesis have been passed, the Universities of Göttingen and Kassel award the academic degree 'Master of Science' (abbreviated: 'M.Sc. '), and the University of Talca awards the university degree 'Master of Science' (abbreviated: 'M.Sc. ').

(8) <sup>1</sup>The 2 degree certificates for the academic titles mentioned under section 7 shall be issued jointly by the Universities of Göttingen and Kassel in accordance with the provisions defined under § 5, while the University of Heredia shall issue an individual certificate; the degree certificates each refer to the other certificates and indicate that with the others, they represent a uniform degree certificate. <sup>2</sup>The degree certificate may only be issued with this reference. <sup>3</sup>They shall be issued at the university at which the master's thesis was completed. <sup>4</sup>The Universities of Göttingen and Kassel shall issue their degree certificate on the university degree awarded "Master of Science" with the date of the certificate in English or on request in German. <sup>5</sup>Degree certificates for the university degree awarded shall contain the statement of its bi-national structure and the nature as a double degree programme in addition to specifying the degree programme.

(9) <sup>1</sup>The two university degrees can be listed as separate titles. <sup>2</sup>In the event that both university degrees are listed as titles, they shall be connected by a hyphen. <sup>3</sup>The same applies to the abbreviated form.

## **§ 24 Examination management system**

(1) The students shall, in their own responsibility, use online access points to the examination management system with which registrations for, and withdrawals from, module examinations are managed electronically; the examination board must issue more detailed provisions on the implementation of the process.

(2) The students must regularly review the integrity of their online account within the framework of their own possibilities; notification of transmission errors must be provided without delay.

(3) <sup>1</sup>The examiners will cooperate in the electronic registration of examination results. <sup>2</sup>For the



purposes of additional monitoring and documentation, they will maintain their own grade lists and will archive them for at least eight years.

### **§ 25 Study advice and mentors**

(1) The students shall be advised during their course of studies so that they can design their study with the academic degree as the target and can finish it within the standard course length.

(2) <sup>1</sup>The technical study advice in the Master's degree programme is provided by mentors. <sup>2</sup>Their role is to individually and continuously advise students in all technical questions relating to how they should structure their course of studies. <sup>3</sup>For this purpose, at the beginning of the Master's degree programme, each student shall be assigned as a mentor a person working full-time in the master programme. <sup>4</sup>The allocation process is managed by the examination board. <sup>5</sup>Students have a right to one change in allocation.

(3) In addition, the offices of the dean of studies and the Central Student Advisory Office at the two universities offer a comprehensive, general range of consulting services.

(4) The students should receive study advice, especially in the following cases:

- after failing examinations twice,
- in the event of any deviations from the standard course length,
- when changing the degree programme and university and
- before studying abroad.

### **§ 26 University announcements by the examination board**

(1) The examination board shall inform the students of this examination regulation and shall, in the suitable form, instruct them in the terms of examinations that apply to them.

(2) <sup>1</sup>The examination board may resolve that the decisions and other measures taken in accordance with these examination regulations, in particular admission to the examination, refusal of admission, reporting and examination dates and periods examination results, should be publicly announced in the university or in the usual manner at both universities. <sup>2</sup>This must give consideration to the provisions of data privacy.

### **§ 27 Objections**

Persons affected may appeal to the examination board against decisions made by the examination board.

### **§ 28 Safeguarding provisions**

(1) <sup>1</sup>If the examinee provides plausible explanation that he or she is not in a position (e.g. due to chronic illness or long-lasting or permanent physical disability as defined in § 2 section 1 SGB IX) to complete the examination components entirely or partly in the intended form, then he or she should be able to complete the examination components in an extended processing time or equivalent examination components in another form. <sup>2</sup>A medical certificate from a specialist physician must be produced in original. <sup>3</sup>Submission of a copy is not sufficient. <sup>4</sup>The examination board rules in this effect.

(2) <sup>1</sup>Insofar as compliance with the deadlines for the initial registration for examinations, retake, reasons for not attending the examinations and the compliance with processing times for examination papers are affected, the illness or disability of the examinee and the illness or disability of a close relative requiring sole care shall be considered equivalent. <sup>2</sup>Close relatives are children, parents, grandparents, married partner and life partner.

(3) <sup>1</sup>Examination prerequisites may not be fulfilled by pregnant women, if life or health of the mother or child is endangered according to the medical certificate. <sup>2</sup>Furthermore, the safeguarding provisions according to §§ 3, 4, 6 and 8 of the Maternity Protection Act as well as the deadlines and provisions under § 1 sections 1 or 3 no. 3 or in special cases of hardship, section 5 as well as §§ 15 and 16 of the Federal Parental Allowance on Parental Leave Act shall apply in their relevant versions.

(4) <sup>1</sup>No disadvantages may be experienced by the student through following the provisions under section 3. <sup>2</sup>Fulfilment of the prerequisites under sections 1 to 3 should be evidenced by means of suitable documents, for example medical certificates from specialist physicians, birth certificates, certifications of the local residents' registration office, etc.

### **§ 29 Entry into force; interim regulations**

(1) This regulation enters into force the day after being published in the official announcements of the University of Göttingen and the bulletin of the University of Kassel retroactively on

01.10.2011.

(2) <sup>1</sup>Students who commenced their course of studies before these examination and study regulations came into force and have been enrolled in the Master's degree programme 'Sustainable International Agriculture' without interruption shall be examined on application in accordance with the examination and study regulations for the Master's degree programme in 'Sustainable International Agriculture' in the version contained in the announcement dated 17.03.2009 (official announcements of Georg-August-Universität no. 4/2009 p. 101); the application must be made within one year after these regulations came into force. <sup>2</sup>In the event that upon application, the examination and study regulations according to sentence 1 shall apply in the version in place before these regulations came into force, this shall not apply to module overviews and the Module Handbook for examinations that remain to be taken, unless preventing a breach of trust with a student would necessitate a different decision by the examination board. <sup>3</sup>This different decision is possible especially in cases in which a module examination can be retaken or a compulsory module or an optional required (elective compulsory) module was changed substantially or removed. <sup>4</sup>The examination board may introduce general regulations for these cases.

(3) An examination in accordance with the examination and study regulations for the Master's degree programme 'Sustainable International Agriculture' in the version contained in the announcement dated 17.03.2009 (official announcements of Georg-August-Universität no. 4/2009 p. 101) will be conducted for the last time in the summer semester 2013.

(4) Irrespective of the terms of sections 2 and 3, the examination and study regulations for the Master's degree programme 'Sustainable International Agriculture' in the version contained in the announcement dated 17.03.2009 (official announcements of Georg-August-Universität no. 4/2009 p. 101) shall be invalidated from 30.09.2013.

## **Appendix 1: Module directory**

### **1. Master's degree programme "Sustainable International Agriculture"**

At least 120 C must be successfully completed within the following regulations.

#### **a) Specialisations**

At least 90 C must be successfully completed within a specialisation.

#### **aa) International Agribusiness and Rural Development Economics**

##### **i) Compulsory modules**

The following four compulsory modules worth overall 24 C must be successfully completed:

M.Agr.0086: World agriculture markets and trade (6 C, 6 WLH)

M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 WLH)

M.SIA.I12: Sustainable International Agriculture: basic principles and approaches (6 C, 4 WLH)

M.WIWI-QMW.0004: Econometrics I (6 C, 4 WLH)

##### **ii) Elective compulsory modules**

From the following modules five elective compulsory modules worth overall 30 C (of which at least one module is on learning work methods with code M) must be successfully completed:

M.Agr.0148: Policy analysis of international agr-environmental schemes (6 C, 4 WLH)

M.SIA.E05M: Marketing research (6 C, 4 WLH)

M.SIA.E12M: Quantitative Research Methods in Rural Development Economics (6 C, 4 WLH)

M.SIA.E13M: Microeconomic Theory and Quantitative Methods of Agricultural Production (6 C, 4 WLH)

M.SIA.E14: Evaluation of rural development projects and policies (6 C, 4 WLH)

M.SIA.E18: Organization of food supply chains (6 C, 4 WLH)

M.SIA.E21: Rural Sociology (6 C, 4 WLH)

M.SIA.E24: Topics in Rural Development Economics I (6 C, 4 WLH)

M.SIA.E31: Strategic management (6 C, 4 WLH)

M.SIA.E33: Responsible and sustainable food business in global contexts (6 C, 4 WLH)

M.SIA.E34: Economic Valuation of Ecosystem Services in Developing Countries (6 C, 4 WLH)

M.SIA.E37: Agricultural Policy Analysis (6 C, 4 WLH)

M.SIA.E38: Scientific writing in Agricultural Economics (6 C, 4 WLH)

M.SIA.E40: Agriculture, Environment and Development (6 C, 4 WLH)

M.SIA.E43: Controversies around food (6 C, 4 WLH)

M.SIA.I19M: Participatory research methods for sustainability (6 C, 4 WLH)

M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic  
Development (6 C, 4 WLH)

### iii) Elective modules

From the following modules (or the so far not chosen elective compulsory modules of the degree programme's specialisation) elective modules worth overall 36 C must be successfully completed:

M.Agr.0106: China Economic Development: From an agricultural economy  
to an emerging economy (6 C, 4 WLH)

M.Agr.0118: Applied Microeconometrics (6 C, 4 WLH)

M.Agr.0151: Data Analysis with R in Agricultural Economics (6 C)

M.Agr.0156: Microfinance for the Rural Poor: A Business Class (6 C)

M.Agr.0192 : Breeding tropical/sub-tropical staple crops and their impact on global food security  
(English: online joint classroom) (6 C, 4 WLH)

M.SIA.A07: Unconventional livestock and wildlife-management,  
utilization and conservation (6 C)

M.SIA.A08: Socio-ecology in livestock production systems (6 C, 4 WLH)

M.SIA.A11: Tropical animal husbandry systems (6 C, 4 WLH)

M.SIA.A14: Organic livestock farming under temperate conditions (6 C, 4 WLH)

M.SIA.E02: Agricultural price theory (6 C, 4 WLH)

M.SIA.E17M: Management and management accounting (6 C, 4 WLH)

M.SIA.E19: Market integration and price transmission I (6 C, 4 WLH)

M.SIA.E39: Critical and Collective Perspectives on the Global Food System (6 C, 4 WLH)

M.SIA.E40: Agricultural, Environmental and Development (6 C, 4 WLH)

M.SIA.E41: EU Policies and Organic Agriculture (6 C, 4 WLH)

M.SIA.E42: Agriculture, Nutrition and Sustainable food systems (6 C, 4 WLH)

M.SIA.E44: International organic food markets and marketing (6 C, 4 WLH)

M.SIA.I02: Management of (sub-)tropical land use systems (6 C)

M.SIA.I03: Food quality and organic food processing (6 C, 4 WLH)

M.SIA.I07: International land use systems research - an  
interdisciplinary study tour (6 C, 8,5 WLH)

M.SIA.I11M: Free Project (6 C)

M.SIA.I14M: GIS and Remote Sensing in Agriculture (6 C, 4 WLH)

M.SIA.I17: Sustainable diets (6 C, 6 WLH)

M.SIA.I20: Agriculture and ecosystem services (6 C, 4 WLH)

M.SIA.I21M From conceptualisation to communication: key steps in

	empirical research	(6 C, 4 WLH)
M.SIA.I23:	Sustainable agricultural practices in Mediterranean regions	(6 C, 2 WLH)
M.SIA.I24:	Modelling climate impacts on agroecosystems	(6 C, 4 WLH)
M.SIA.P05:	Organic cropping systems under temperate and (sub)tropical conditions	(6 C, 4 WLH)
M.SIA.P21:	Energetic use of agricultural crops and Field forage production	(6 C, 4 WLH)
M.SIA.P22:	Management of tropical plant production systems	(6 C, 4 WLH)
M.SIA.P24:	Agroforestry	(6 C, 4 WLH)
M.SIA.P25:	Sustainable agricultural practices in the Mediterranean regions	(6 C, 2 WLH)
M.SIA.P28:	Digitilization in agriculture	(6 C, 4 WLH)
M.SIA.P29:	Impact of climate extremes on plant production systems around the globe	(6 C,4 WLH)
M.WIWI-VWL.0096 :	Essentials of Global Health	(6 C, 2 WLH)

## **bb) International Organic Agriculture**

### **i) Compulsory modules**

The following bridging module (M.SIA.P07) and compulsory modules comprising 30 C must be successfully completed.

M.SIA.A14:	Organic livestock farming under temperate conditions	(6 C, 4 WLH)
M.SIA.I10M:	Applied statistical modelling	(6 C, 4 WLH)
M.SIA.I12:	Sustainable International Agriculture: basic principles and approaches	(6 C, 4 WLH)
M.SIA.P05:	Organic cropping systems under temperate and (sub)tropical conditions	(6 C, 4 WLH)
M.SIA.P07:	Soil and plant science	(6 C, 4 WLH)

### **ii) Elective compulsory modules**

From the following modules elective compulsory modules worth overall 24 C (of which at least one module is on learning work methods with Code M and one economics module with Code E) must be successfully completed:

M.Agr.0009:	Biological Control and Biodiversity	(6 C, 6 WLH)
M.Agr.0056:	Plant breeding methodology and genetic resources	(6 C, 4 WLH)
M.SIA.A10M:	Livestock nutrition and feed evaluation under (sub)tropical Conditions	(6 C, 4 WLH)
M.SIA.E05M:	Marketing research	(6 C, 4 WLH)
M.SIA.E11:	Socioeconomics of Rural Development and Food Security	(6 C, 4 WLH)

M.SIA.E14:	Evaluation of rural development projects and policies	(6 C, 4 WLH)
M.SIA.E21:	Rural Sociology	(6 C, 4 WLH)
M.SIA.E41:	EU Policies and Organic Agriculture	(6 C, 4 WLH)
M.SIA.E44:	International organic food markets and marketing	(6 C, 4 WLH)
M.SIA.I03:	Food quality and organic food processing	(6 C, 4 WLH)
M.SIA.I14M:	GIS and Remote Sensing in Agriculture	(6 C, 4 WLH)
M.SIA.I17:	Sustainable diets	(6 C, 6 WLH)
M.SIA.I19M:	Participatory research methods for sustainability	(6 C, 4 WLH)
M.SIA.I20:	Agriculture and ecosystem services	(6 C, 4 WLH)
M.SIA.I21M	From conceptualisation to communication: key steps in empirical research	(6 C, 4 WLH)
M.SIA.P01:	Ecology and agroecosystems	(6 C, 4 WLH)
M.SIA.P03:	Ecological soil microbiology	(6 C, 4 WLH)
M.SIA.P06:	Soil and water	(6 C, 4 WLH)
M.SIA.P13:	Agrobiodiversity and plant genetic resources in the tropics	(6 C, 4 WLH)
M.SIA.P15M:	Methods and advances in plant protection	(6 C, 4 WLH)
M.SIA.P16M:	Crop Modelling for Risk Management	(6 C, 4 WLH)
M.SIA.P20:	Plant Nematology	(6 C, 4 WLH)
M.SIA.P24:	Agroforestry	(6 C, 4 WLH)
M.SIA.P27M:	Nutrient dynamics, experimental design and statistical modelling - bilingual	(6 C)

### iii) Elective modules

From the following modules, elective modules worth overall 36 C must be completed. It is also possible to choose the elective compulsory modules of the degree programme's specialisation so far not chosen.

M.Agr.0086:	World agriculture markets and trade	(6 C, 6 WLH)
M.Agr.0148:	Policy analysis of international agri-environmental schemes	(6 C, 4 WLH)
M.Agr.0156:	Microfinance for the Rural Poor: A Business Class	(6 C)
M.Agr.0174:	Plant Health Management in Tropical Crops	(6 C, 4 WLH)
M.Agr.0192:	Breeding tropical/sub-tropical staple crops and their impact on global food security (English: online joint classroom)	(6 C, 4 WLH)
M.FES.321:	Ecopedology of the tropics and subtropics	(6 C, 4 WLH)
M.SIA.A02M:	Epidemiology of international and tropical animal infectious diseases	(6 C, 4 WLH)
M.SIA.A03M:	International and tropical food microbiology and hygiene	(6 C, 4 WLH)
M.SIA.A04:	Livestock reproduction physiology	(6 C, 4 WLH)

M.SIA.A07:	Unconventional livestock and wildlife-management, utilization and conservation	(6 C)
M.SIA.A08:	Socio-ecology in livestock production systems	(6 C, 4 WLH)
M.SIA.A11:	Tropical animal husbandry systems	(6 C, 4 WLH)
M.SIA.A13M:	Livestock-based sustainable land use	(6 C, 4 WLH)
M.SIA.A15M:	Scientific writing in natural sciences	(6 C, 4 WLH)
M.SIA.E02:	Agricultural price theory	(6 C, 4 WLH)
M.SIA.E12M:	Quantitative Research Methods in Rural Development Economics	(6 C, 4 WLH)
M.SIA.E13M:	Microeconomic Theory and Quantitative Methods of Agricultural Production	(6 C, 4 WLH)
M.SIA.E17M:	Management and management accounting	(6 C, 4 WLH)
M.SIA.E18:	Organization of food supply chains	(6 C, 4 WLH)
M.SIA.E24:	Topics in Rural Development Economics I	(6 C, 4 WLH)
M.SIA.E31:	Strategic management	(6 C, 4 WLH)
M.SIA.E33:	Responsible and sustainable food business in global contexts	(6 C, 4 WLH)
M.SIA.E34:	Economic Valuation of Ecosystem Services in Developing Countries	(6 C, 4 WLH)
M.SIA.E36:	Institutions and the Food System	(6 C, 4 WLH)
M.SIA.E37:	Agricultural Policy Analysis	(6 C, 4 WLH)
M.SIA.E39:	Critical and Collective Perspectives on the Global Food System	(6 C, 4 WLH)
M.SIA.E42:	Agriculture, Nutrition and Sustainable food systems	(6 C, 4 WLH)
M.SIA.I02:	Management of (sub-)tropical land use systems	(6 C)
M.SIA.I06M:	Exercise on the quality of tropical and subtropical products	(6 C, 4 WLH)
M.SIA.I07:	International land use systems research - an interdisciplinary study tour	(6 C, 8,5 WLH)
M.SIA.I11M:	Free Project	(6 C)
M.SIA.I23:	Sustainable agricultural practices in Mediterranean regions	(6 C, 2 WLH)
M.SIA.I25:	Engineering software in agriculture and livestock farming	(6 C, 4 WLH)
M.SIA.P10:	Tropical agro-ecosystem functions	(6 C, 4 WLH)
M.SIA.P19M:	Experimental Techniques in Tropical Agronomy	(6 C, 4 WLH)
M.SIA.P21:	Energetic use of agricultural crops and Field forage production	(6 C, 4 WLH)
M.SIA.P22:	Management of tropical plant production systems	(6 C, 4 WLH)
M.SIA.P28:	Digitilization in agriculture	(6 C, 4 WLH)
M.SIA.P29:	Impact of climate extremes on plant production systems around the globe	(6 C, 4 WLH)



M.WIWI-VWL.0008: Development Economics I: Macro Issues in  
Economic Development (6 C, 4 WLH)

M.iPAB.0002: Breeding schemes and programs in plant and animal breeding (6 C, 4 WLH)

## **cc) Tropical Agricultural and Agroecosystems Sciences**

### **i) Compulsory modules**

The following bridging module (M.SIA.P07) and compulsory modules worth overall 30 C must be successfully completed.

M.SIA.A11: Tropical animal husbandry systems (6 C, 4 WLH)

M.SIA.I10M: Applied statistical modelling (6 C, 4 WLH)

M.SIA.I12: Sustainable International Agriculture: basic principles  
and approaches (6 C, 4 WLH)

M.SIA.P07: Soil and plant science (6 C, 4 WLH)

M.SIA.P22: Management of tropical plant production systems (6 C, 4 WLH)

### **ii) Elective compulsory modules**

From the following modules elective compulsory modules worth overall 24 C (of which at least one module is on learning work methods with Code M) must be successfully completed:

M.Agr.0056: Plant breeding methodology and genetic resources (6 C, 4 WLH)

M.Agr.0174: Plant Health Management in Tropical Crops (6 C, 4 WLH)

M.FES.321: Ecopedology of the tropics and subtropics (6 C, 4 WLH)

M.SIA.A02M: Epidemiology of international and tropical animal  
infectious diseases (6 C, 4 WLH)

M.SIA.A03M: International and tropical food microbiology and hygiene (6 C, 4 WLH)

M.SIA.A04: Livestock reproduction physiology (6 C, 4 WLH)

M.SIA.A10M: Livestock nutrition and feed evaluation under (sub)tropical  
conditions (6 C, 4 WLH)

M.SIA.A13M: Livestock-based sustainable land use (6 C, 4 WLH)

M.SIA.E11: Socioeconomics of Rural Development and Food Security (6 C, 4 WLH)

M.SIA.I06M: Exercise on the quality of tropical and subtropical products (6 C, 4 WLH)

M.SIA.I14M: GIS and Remote Sensing in Agriculture (6 C, 4 WLH)

M.SIA.I20: Agriculture and ecosystem services (6 C, 4 WLH)

M.SIA.I21M: From conceptualisation to communication: key steps in  
empirical research (6 C, 4 WLH)

M.SIA.I24: Modelling climate impacts on agroecosystems (6 C, 4 WLH)

M.SIA.P01: Ecology and agroecosystems (6 C, 4 WLH)

M.SIA.P04: Plant nutrition in the tropics and subtropics (6 C, 4 WLH)

M.SIA.P05:	Organic cropping systems under temperate and (sub)tropical conditions	(6 C, 4 WLH)
M.SIA.P10:	Tropical agro-ecosystem functions	(6 C, 4 WLH)
M.SIA.P13:	Agrobiodiversity and plant genetic resources in the tropics	(6 C, 4 WLH)
M.SIA.P15M:	Methods and advances in plant protection	(6 C, 4 WLH)
M.SIA.P16M:	Crop Modelling for Risk Management	(6 C, 4 WLH)
M.SIA.P19M:	Experimental Techniques in Tropical Agronomy	(6 C, 4 WLH)
M.SIA.P24:	Agroforestry	(6 C, 4 WLH)
M.SIA.P27M:	Nutrient dynamics, experimental design and statistical modelling - bilingual	(6 C)
M.SIA.P29:	Impact of climate extremes on plant production systems around the globe	(6 C,4 WLH)

### iii) Elective modules

From the following modules, elective modules worth overall 36 C must be successfully completed. It is also possible to choose the elective compulsory modules of the degree programme's specialisation that have not already been chosen.

M.Agr.0009:	Biological Control and Biodiversity	(6 C, 6 WLH)
M.Agr.0086:	World agriculture markets and trade	(6 C, 6 WLH)
M.Agr.0148:	Policy analysis of international agri-environmental schemes	(6 C, 4 WLH)
M.Agr.0156:	Microfinance for the Rural Poor: A Business Class	(6 C)
M.Agr.0192:	Breeding tropical/sub-tropical staple crops and their impact on global food security (English: online joint classroom)	(6 C, 4 WLH)
M.SIA.A07:	Unconventional livestock and wildlife-management, utilization and conservation	(6 C)
M.SIA.A08:	Socio-ecology in livestock production systems	(6 C, 4 WLH)
M.SIA.A14:	Organic livestock farming under temperate conditions	(6 C, 4 WLH)
M.SIA.E02:	Agricultural price theory	(6 C, 4 WLH)
M.SIA.E05M:	Marketing research	(6 C, 4 WLH)
M.SIA.E06:	International markets and marketing for organic products	(6 C, 4 WLH)
M.SIA.E12M:	Quantitative Research Methods in Rural Development Economics	(6 C, 4 WLH)
M.SIA.E13M:	Microeconomic Theory and Quantitative Methods of Agricultural Production	(6 C, 4 WLH)
M.SIA.E14:	Evaluation of rural development projects and policies	(6 C, 4 WLH)
M.SIA.E17M:	Management and management accounting	(6 C, 4 WLH)

M.SIA.E18:	Organization of food supply chains	(6 C, 4 WLH)
M.SIA.E21:	Rural Sociology	(6 C, 4 WLH)
M.SIA.E24:	Topics in Rural Development Economics I	(6 C, 4 WLH)
M.SIA.E31:	Strategic management	(6 C, 4 WLH)
M.SIA.E33:	Responsible and sustainable food business in global contexts	(6 C, 4 WLH)
M.SIA.E34:	Economic Valuation of Ecosystem Services in Developing Countries	(6 C, 4 WLH)
M.SIA.E36:	Institutions and the Food System	(6 C, 4 WLH)
M.SIA.E37:	Agricultural Policy Analysis	(6 C, 4 WLH)
M.SIA.E39:	Critical and Collective Perspectives on the Global Food System	(6 C, 4 WLH)
M.SIA.E41:	EU Policies and Organic Agriculture	(6 C, 4 WLH).
M.SIA.E42:	Agriculture, Nutrition and Sustainable food systems	(6 C, 4 WLH)
M.SIA.I02:	Management of (sub-)tropical landuse systems	(6 C)
M.SIA.I03:	Food quality and organic food processing	(6 C, 4 WLH)
M.SIA.I07:	International land use systems research – an interdisciplinary study tour	(6 C, 8,5 WLH)
M.SIA.I11M:	Free Project	(6 C)
M.SIA.I14M:	GIS and Remote Sensing in Agriculture	(6 C, 4 WLH)
M.SIA.I17:	Sustainable diets	(6 C, 6 WLH)
M.SIA.I19M:	Participatory research methods for sustainability	(6 C, 4 WLH)
M.SIA.I23:	Sustainable agricultural practices in Mediterranean regions	(6 C, 2 WLH)
M.SIA.I25:	Engineering software in agriculture and livestock farming	(6 C, 4 WLH)
M.SIA.P03:	Ecological soil microbiology	(6 C, 4 WLH)
M.SIA.P06:	Soil and water	(6 C, 4 WLH)
M.SIA.P20:	Plant Nematology	(6 C, 4 WLH)
M.SIA.P21:	Energetic use of agricultural crops and Field forage production	(6 C, 4 WLH)
M.SIA.P28:	Digitilization in agriculture	(6 C, 4 WLH)
M.WIWI-VWL.0008:	Development Economics I: Macro Issues in Economic Development	(6 C, 4 WLH)
M.iPAB.0002:	Breeding schemes and programs in plant and animal breeding	(6 C, 4 WLH)

### **b) Master's thesis**

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

### **c) Colloquium for the master's thesis**

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

## **2. Supplementary module directory for students of the double degree programme with the University of Talca**

### **A. Studies at the universities of Kassel and Göttingen in the 1. and 2. semester**

#### **a. Studies at the universities of Kassel and Göttingen**

##### **aa. Compulsory modules (24 C)**

The following modules worth overall 24 C must be successfully completed:

M.Agr.0086: World agriculture markets and trade	(6 C, 6 WLH)
M.SIA.E11: Socioeconomics of Rural Development and Food Security	(6 C, 4 WLH)
M.SIA.I12: Sustainable International Agriculture: basic principles and approaches	(6 C, 4 WLH)
M.WIWI-QMW.0004: Econometrics I	(6 C, 4 WLH)

##### **bb. Elective compulsory modules (18 C)**

Modules worth overall at least 18 C must be successfully completed:

M.Agr.0148: Policy analysis of international agri-environmental schemes	(6 C, 4 WLH)
M.SIA.E05M: Marketing research	(6 C, 4 WLH)
M.SIA.E12M: Quantitative Research Methods in Rural Development Economics	(6 C, 4 WLH)
M.SIA.E13M: Microeconomic Theory and Quantitative Methods of Agricultural Production	(6 C, 4 WLH)
M.SIA.E14: Evaluation of rural development projects and policies	(6 C, 4 WLH)
M.SIA.E18: Organization of food supply chains	(6 C, 4 WLH)
M.SIA.E21: Rural Sociology	(6 C, 4 WLH)
MM.SIA.E31: Strategic management	(6 C, 4 WLH)
M.SIA.E33: Responsible and sustainable food business in global contexts	(6 C, 4 WLH)
M.SIA.E34: Economic Valuation of Ecosystem Services in Developing Countries	(6 C, 4 WLH)
M.SIA.E37: Agricultural Policy Analysis	(6 C, 4 WLH)
M.SIA.E38: Scientific writing in Agricultural Economics	(6 C, 4 WLH)
M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic Development	(6 C, 4 WLH)

##### **cc. Elective modulee (18 C)**

Modules worth overall at least 18 C must be successfully completed:

M.Agr.0106: China Economic Development: From an agricultural economy to an emerging economy	(6 C, 4 WLH)
M.Agr.0118: Applied Microeconometrics	(6C, 4 WLH)

M.SIA.A07:	Unconventional livestock and wildlife-management, utilization and conservation	(6 C)
M.SIA.A08:	Social-ecology in livestock production systems	(6 C, 4 WLH)
M.SIA.A11:	Tropical animal husbandry systems	(6 C, 4 WLH)
M.SIA.A14:	Organic livestock farming under temperate conditions	(6 C, 4 WLH)
M.SIA.E02:	Agricultural price theory	(6 C, 4 WLH)
M.SIA.E06:	International markets and marketing for organic products	(6 C, 4 WLH)
M.SIA.E17M:	Management and management accounting	(6 C, 4 WLH)
M.SIA.E19:	Market integration and price transmission I	(6 C, 4 WLH)
M.SIA.I02:	Management of (sub-)tropical landuse systems	(6 C)
M.SIA.I03:	Food quality and organic food processing	(6 C, 4 WLH)
M.SIA.I07:	International land use systems research – an interdisciplinary study tour	(6 C, 8,5 WLH)
M.SIA.I11M:	Free Project	(6 C)
M.SIA.I14M:	GIS and Remote Sensing in Agriculture	(6 C, 4 WLH)
M.SIA.I17:	Sustainable diets	(6 C, 4 WLH)
M.SIA.P05:	Organic cropping systems under temperate and (sub)tropical conditions	(6 C, 4 WLH)
M.SIA.I21M	From conceptualisation to communication: key steps in empirical research	(6 C, 4 WLH)
M.SIA.P21	Energetic use of agricultural crops and Field forage production	(6 C, 4 WLH)
M.SIA.P22:	Management of tropical plant production systems	(6 C, 4 WLH)

## **b. Studies at the University of Talca**

### **aa. Elective compulsory modules (12 C)**

Modules worth overall at least 12 C must be successfully completed:

M.SIA.UT-C-11:	Managerial Economics	(6 C, 6 WLH)
M.SIA.UT-C-12:	Marketing in Agribusiness I (Strategic Marketing)	(6 C, 6 WLH)
M.SIA.UT-M-40:	Applied Econometrics	(6 C)
M.SIA.UT-M-41:	Innovation Management in the Agroindustry and Food Chain	(6 C)
M.SIA.UT-M-42:	Quality Management and Food Safety	(6 C)

### **bb. Elective modules (18 C)**

Modules worth overall at least 18 C must be successfully completed:

M.SIA.UT-O-13:	Strategic Management	(6 C)
M.SIA.UT-O-15:	Technologies in Fruit and Wine Production	(6 C, 6 WLH)
M.SIA.UT-O-16:	Development Economics in Latin America	(6 C, 5 WLH)

M.SIA.UT-O-28:	Financial Management II	(6 C)
M.SIA.UT-O-29:	Formulation and Project Appraisal for Agricultural and Agroindustry	(6 C)
M.SIA.UT-O-30:	Environmental Economics and Environmental Impact Analysis of Agribusiness Projects	(6 C)

## **B. Studies at the Universities of Kassel and Göttingen in the 1. and 4. semester**

### **a. Studies at the Universities of Kassel and Göttingen**

#### **aa. Compulsory modules (18 C)**

The following modules worth overall 18 C must be successfully completed:

M.SIA.E11:	Socioeconomics of Rural Development and Food Security	(6 C, 4 WLH)
M.SIA.I12:	Sustainable International Agriculture: basic principles and approaches	(6 C, 4 WLH)
M.WIWI-QMW.0004:	Econometrics I	(6 C, 4 WLH)

#### **bb. Elective compulsory modules (6 C)**

One module worth 6 C must be successfully completed:

M.Agr.0148:	Policy analysis of international agri-environmental schemes	(6 C, 4 WLH)
M.SIA.E05M:	Marketing research	(6 C, 4 WLH)
M.SIA.E12M:	Quantitative Research Methods in Rural Development Economics	(6 C, 4 WLH)
M.SIA.E13M:	Microeconomic Theory and Quantitative Methods of Agricultural Production	(6 C, 4 WLH)
M.SIA.E14:	Evaluation of rural development projects and policies	(6 C, 4 WLH)
M.SIA.E18:	Organization of food supply chains	(6 C, 4 WLH)
M.SIA.E21:	Rural Sociology	(6 C, 4 WLH)
M.SIA.E31:	Strategic management	(6 C, 4 WLH)
M.SIA.E33:	Responsible and sustainable food business in global contexts	(6 C, 4 WLH)
M.SIA.E34:	Economic Valuation of Ecosystem Services in Developing Countries	(6 C, 4 WLH)
M.SIA.E36:	Institutions and the food system	(6 C, 4 WLH)
M.SIA.E37:	Agricultural Policy Analysis	(6 C, 4 WLH)
M.SIA.E38:	Scientific writing in Agricultural Economics	(6 C, 4 WLH)
M.WIWI-VWL.0008:	Development Economics I: Macro Issues in Economic Development	(6 C, 4 WLH)

#### **cc. Elective modules (6 C)**

One module worth 6 C must be successfully completed:

M.Agr.0106:	China Economic Development: From an agricultural economy to an emerging economy	(6 C, 4 WLH)
M.Agr.0118:	Applied Microeconometrics	(6 C, 4 WLH)
M.SIA.A07:	Unconventional livestock and wildlife-management, utilization and conservation	(6 C)
M.SIA.A08:	Social-ecology in livestock production systems	(6 C, 4 WLH)
M.SIA.A11:	Tropical animal husbandry systems	(6 C, 4 WLH)
M.SIA.A14:	Organic livestock farming under temperate conditions	(6 C, 4 WLH)
M.SIA.E02:	Agricultural price theory	(6 C, 4 WLH)
M.SIA.E06:	International markets and marketing for organic products	(6 C, 4 WLH)
M.SIA.E17M:	Management and management accounting	(6 C, 4 WLH)
M.SIA.E19:	Market integration and price transmission I	(6 C, 4 WLH)
M.SIA.I02:	Management of (sub-)tropical land use systems	(6 C)
M.SIA.I03:	Food quality and organic food processing	(6 C, 4 WLH)
M.SIA.I07:	International land use systems research – an interdisciplinary study tour	(6 C, 8,5 WLH)
M.SIA.I11M:	Free Project	(6 C)
M.SIA.I14M:	GIS and Remote Sensing in Agriculture	(6 C, 4 WLH)
M.SIA.I17:	Sustainable diets	(6 C, 4 WLH)
M.SIA.I21M:	From conceptualisation to communication: key steps in empirical research	(6 C, 4 WLH)
M.SIA.P05:	Organic cropping systems under temperate and (sub)tropical conditions	(6 C, 4 WLH)
M.SIA.P21:	Energetic use of agricultural crops and Field forage production	(6 C, 4 WLH)
M.SIA.P22:	Management of tropical plant production systems	(6 C, 4 WLH)

## **b. Studies at the University of Talca**

### **aa. Compulsory modules (6 C)**

The following module worth 6 C must be successfully completed:

M.Agr.0086:	World agriculture markets and trade	(6 C, 6 WLH)
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### **bb. Elective compulsory modules (24 C)**

Modules worth overall at least 24 C must be successfully completed:

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

M.SIA.UT-O-27: Introduction into Agricultural Policy (6 C)

**cc. Elective modules (30 C)**

Modules worth overall at least 30 C must be successfully completed:

M.SIA.UT-O-13: Strategic Management (6 C)  
M.SIA.UT-O-14: Agricultural Price Theory (6 C, WLH)  
M.SIA.UT-O-15: Technologies in Fruit and Wine Production (6 C, 6 WLH)  
M.SIA.UT-O-16: Development Economics in Latin America (6 C, 5 WLH)  
M.SIA.UT-O-23: Human Resources Management (6 C, WLH)  
M.SIA.UT-O-24M: Marketing in Agribusiness II (Marketing Research) (6 C, WLH)  
M.SIA.UT-O-25: Principles, Monitoring and Methods of Agricultural  
Projects Development Policies (6 C, 6 WLH)  
M.SIA.UT-O-26: Agricultural Innovation and Extension (6 C, 6 WLH)  
M.SIA.UT-O-27: Introduction into Agricultural Policy (6 C)

**C. Studies at the universities of Kassel and Göttingen in the 3. and 4. semester**

Students of the double degree programme with the University of Talca must complete the following study programme within the first two semesters at the University of Talca.

**a. Studies at the University of Talca**

**aa. Compulsory modules (6 C)**

The following module worth 6 C must be successfully completed:

M.Agr.0086: World agriculture markets and trade (6 C, 6 WLH)

**bb. Elective compulsory modules (24 C)**

Modules worth overall at least 18 C must be successfully completed:

M.SIA.UT-C-11: Managerial Economics (6 C, 6 WLH)  
M.SIA.UT-C-12: Marketing in Agribusiness I (Strategic Marketing) (6 C, 6 WLH)  
M.SIA.UT-C-21M: Methods for Socio-Economic Analysis (6 C)  
M.SIA.UT-C-22: Financial Management I (6 C, 6 WLH)  
M.SIA.UT-O-27: Introduction into Agricultural Policy (6 C)

**cc. Elective modules (30 C)**

Modules worth overall at least 18 C must be successfully completed:

M.SIA.UT-O-13: Strategic Management (6 C, WLH)  
M.SIA.UT-O-14: Agricultural Price Theory (6 C, WLH)  
M.SIA.UT-O-15: Technologies in Fruit and Wine Production (6 C, 6 WLH)  
M.SIA.UT-O-16: Development Economics in Latin America (6 C, 5 WLH)  
M.SIA.UT-O-23: Human Resources Management (6 C)



M.SIA.UT-O-24M:	Marketing in Agribusiness II (Marketing Research)	(6 C)
M.SIA.UT-O-25:	Principles, Monitoring and Methods of Agricultural Projects Development Policies	(6 C, 6 WLH)
M.SIA.UT-O-26:	Agricultural Innovation and Extension	(6 C, 6 WLH)

## **b. Studies at the Universities of Kassel and Göttingen**

### **aa. Compulsory modules (18 C)**

The following modules worth overall 18 C must be successfully completed:

M.SIA.E11:	Socioeconomics of Rural Development and Food Security	(6 C, 4 WLH)
M.SIA.I12:	Sustainable International Agriculture: basic principles and approaches	(6 C, 4 WLH)
M.WIWI-QMW.0004:	Econometrics I	(6 C, 4 WLH)

### **bb. Elective compulsory modules (6 C)**

One module worth 6 C must be successfully completed:

M.Agr.0148:	Policy analysis of international agri-environmental schemes	(6 C, 4 WLH)
M.SIA.E05M:	Marketing research	(6 C, 4 WLH)
M.SIA.E13M:	Microeconomic Theory and Quantitative Methods of Agricultural Production	(6 C, 4 WLH)
M.SIA.E14:	Evaluation of rural development projects and policies	(6 C, 4 WLH)
M.SIA.E18:	Organization of food supply chains	(6 C, 4 WLH)
M.SIA.E21:	Rural Sociology	(6 C, 4 WLH)
M.SIA.E24:	Topics in rural development economics I	(6 C, 4 WLH)
M.SIA.E31:	Strategic management	(6 C, 4 WLH)
M.SIA.E33:	Responsible and sustainable food business in global contexts	(6 C, 4 WLH)
M.SIA.E34:	Economic Valuation of Ecosystem Services in Developing Countries	(6 C, 4 WLH)
M.SIA.E36:	Institutions and the food system	(6 C, 4 WLH)
M.SIA.E37:	Agricultural Policy Analysis	(6 C, 4 WLH)
M.SIA.E38:	Scientific writing in Agricultural Economics	(6 C, 4 WLH)
M.WIWI-VWL.0008:	Development Economics I: Macro Issues in Economic Development	(6 C, 4 WLH)

### **cc. Elective modules (6 C)**

One module worth 6 C must be successfully completed:

M.Agr.0106:	China Economic Development: From an agricultural economy to an emerging economy	(6 C, 4 WLH)
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M.Agr.0118:	Applied Microeconometrics	(6 C, 4 WLH)
M.Forst.1512:	International forest policy and economics	(6 C, 4 WLH)
M.SIA.A07:	Unconventional livestock and wildlife-management, utilization and conservation	(6 C, 4 WLH)
M.SIA.A08:	Social-ecology in livestock production systems	(6 C, 4 WLH)
M.SIA.A11:	Tropical animal husbandry systems	(6 C, 4 WLH)
M.SIA.A14:	Organic livestock farming under temperate conditions	(6 C, 4 WLH)
M.SIA.E02:	Agricultural price theory	(6 C, 4 WLH)
M.SIA.E06:	International markets and marketing for organic products	(6 C, 4 WLH)
M.SIA.E17M:	Management and management accounting	(6 C, 4 WLH)
M.SIA.E19:	Market integration and price transmission I	(6 C, 4 WLH)
M.SIA.I02:	Management of (sub-)tropical landuse systems	(6 C)
M.SIA.I03:	Food quality and organic food processing	(6 C, 4 WLH)
M.SIA.I07:	International land use systems research – an interdisciplinary study tour	(6 C, 8,5 WLH)
M.SIA.I11M:	Free Project	(6 C)
M.SIA.I14M:	GIS and Remote Sensing in Agriculture	(6 C, 4 WLH)
M.SIA.I17:	Sustainable diets	(6 C, 4 WLH)
M.SIA.I21M	From conceptualisation to communication: key steps in empirical research	(6 C, 4 WLH)
M.SIA.P05:	Organic cropping systems under temperate and (sub)tropical conditions	(6 C, 4 WLH)
M.SIA.P21	Energetic use of agricultural crops and Field forage production	(6 C, 4 WLH)
M.SIA.P22:	Management of tropical plant production systems	(6 C, 4 WLH)

## Appendix 2: Overview of sample curricula

### 1. Sample curriculum for the specialisation “International Agribusiness and Rural Development Economics”

Sem. Σ C*	Subject-specific modules					Key competency modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Elective module 1</b> M.SIA.E17 Management and management accounting 6 C	<b>Compulsory module 1</b> M.SIA.E11 Socioeconomics of rural development and food security 6 C	<b>Compulsory module 2</b> M.SIA.I12 Sustainable International Agriculture: basic principles and approaches 6 C			<b>Compulsory module 1</b> M.WIWI-QMW.0004 Econometrics I 6 C	<b>Elective compulsory module 1</b> M.SIA.E13M Microeconomic theory and quantitative methods of agricultural production 6 C
2. Σ 30 C	<b>Elective compulsory module 2</b> M.WIWI-VWL.0008 Development economics and development policy 6 C	<b>Elective compulsory module 3</b> M.Agr.0148 Policy analysis of international agri-environmental schemes 6 C	<b>Elective compulsory module 4</b> M.SIA.E31 Strategic management 6 C	<b>Compulsory module 4</b> M.Agr0086 World agricultural markets and trade 6 C			<b>Elective compulsory module 5</b> M.SIA.E12M Quantitative research methods in rural development economics 6 C
3. Σ 30 C	<b>Elective module 2</b> M.SIA.E02 Agricultural price theory 6 C	<b>Elective module 3</b> M.SIA.A11 Tropical animal husbandry systems 6 C	<b>Elective module 4</b> M.SIA.E33 Responsible and sustainable food business in global contexts 6 C	<b>Elective module 5</b> M.SIA.P05 Organic cropping systems under temperate and (sub)tropical conditions 6 C			<b>Elective module 6</b> M.SIA.I14M GIS and Remote Sensing in Agriculture 6 C
4. Σ 30 C	<b>Master's thesis &amp; colloquium</b>  30 C						
Σ 120 C							

## 2. Sample curriculum for the specialisation “International Organic Agriculture”

Sem. Σ C*	Subject-specific modules					Key competency modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Bridging module</b> M.SIA.P07 Soil and plant science 6 C	<b>Compulsory module 1:</b> M.SIA.P05 Organic cropping systems under temperate and (sub)tropical conditions 6 C	<b>Compulsory module 2:</b> M.SIA.I12 Sustainable International Agriculture: basic principles and approaches 6 C	<b>Elective compulsory module 1:</b> M.SIA.I17 Sustainable diets 6 C			<b>Elective compulsory module 2:</b> M.SIA.E05M Marketing research 6 C
2. Σ 30 C	<b>Compulsory module 3:</b> M.SIA.A14 Organic livestock farming under temperate and tropical conditions 6 C	<b>Compulsory module 4:</b> M.SIA.I10M: Applied statistical modelling 6 C	<b>Elective module 1</b> M.SIA.A13M Livestock based sustainable land use 6 C	<b>Elective module 2:</b> M.SIA.I03 Food quality and organic food processing 6 C			<b>Elective compulsory module 3:</b> M.SIA.I19M Participatory research methods for sustainability 6 C
3. Σ 30 C	<b>Elective module 3:</b> M.SIA.P21 Energetic use of agricultural crops and Field forage production 6 C	<b>Elective module 4:</b> M.SIA.P13 Agrobiodiversity and plant genetic resources in the tropics 6 C	<b>Elective module 5:</b> M.SIA.A10M: Livestock nutrition and feed evaluation under (sub)tropical conditions 6 C			<b>Elective compulsory module 4:</b> M.SIA.P15M Methods and advances in plant protection 6 C	<b>Elective module 6:</b> M.SIA.P28 Digitalization in agriculture 6 C
4. Σ 30 C	<b>Master's thesis &amp; colloquium</b>  30 C						
Σ 120 C							

### 3. Sample curriculum for the specialisation “Tropical Agricultural and Agroecosystems Sciences”

Sem. Σ C*	Subject-specific modules					Key competency modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C	<b>Bridging module:</b> M.SIA.P07 Soil and plant science 6 C	<b>Compulsory module 1:</b> M.SIA.A11 Tropical animal husbandry systems 6 C	<b>Compulsory module 2:</b> M.SIA.P22 Management of tropical plant production systems 6 C	<b>Elective compulsory module 1:</b> M.SIA.P04 Plant nutrition in the tropics and subtropics 6 C	<b>Compulsory module 3:</b> M.SIA.I12 Sustainable International Agriculture: basic principles and approaches 6 C		
2. Σ 30 C	<b>Elective compulsory module 2:</b> M.SIA.A04 Livestock reproduction physiology 6 C	<b>Elective compulsory module 3:</b> M.SIA.I20 Agriculture and ecosystem services 6 C	<b>Elective module 1:</b> M.Agr.0086 World agricultural markets and trade 6 C	<b>Elective compulsory module 4:</b> M.SIA.I06M Exercise on the quality of tropical and subtropical plant products 6 C			<b>Compulsory module 4:</b> M.SIA.I10M Applied statistical modelling 6 C
3. Σ 30 C	<b>Elective module 2:</b> M.SIA.P13 Agrobiodiversity and plant genetic resources in the tropics 6 C	<b>Elective module 3:</b> M.SIA.A13M Livestock-based sustainable land use 6 C	<b>Elective module 4:</b> M.SIA.I07 International land use systems research 6 C	<b>Elective module 5:</b> M.Agr.0009 Biological control and biodiversity 6 C			<b>Elective module 6:</b> M.Forst.1521 Ecopedology of the tropics and subtropics 6 C
4. Σ 30 C	<b>Master's thesis &amp; colloquium</b>  30 C						
Σ 120 C							

#### 4. Sample curriculum for the Double Degree programme with the University of Talca

Sem. Σ C*	Subject-specific modules					Key competency modules	
	Module	Module	Module	Module	Module	Module	Module
1. Σ 30 C Talca	<b>Elective compulsory module 1:</b> M.SIA.UT-C-11 Managerial Economics 6 C	<b>Elective compulsory module 2:</b> M.SIA.UT-C-12 Marketing in Agribusiness I (Strategic Marketing) 6 C	<b>Elective module 1:</b> M.SIA.UT-O-13 Strategic Management 6 C	<b>Elective module 2:</b> M.SIA.UT-O-14 Agricultural Price Theory (Talca) 6 C	<b>Elective module 3:</b> M.SIA.UT-O-16 Development economics in Latin America 6 C		
2. Σ 30 C Talca	<b>Compulsory module 1:</b> M.Agr.0086 World agricultural markets and trade 6 C	<b>Elective compulsory module 3:</b> M.SIA.UT-C-22 Financial Management I 6 C	<b>Elective module 4:</b> M.SIA.UT-O-23 Human Resources Management 6 C	<b>Elective module 5:</b> M.SIA.UT-O-26 Agricultural Innovation and Extension 6 C			<b>Elective compulsory module 4:</b> M.SIA.UT-C-21M Methods for Socio-Economic Analysis 6 C
3. Σ 30 C GÖ/KS	<b>Compulsory module 2:</b> M.SIA.E11 Socioeconomics of rural development and food security 6 C	<b>Compulsory module 3:</b> M.SIA.I12 Sustainable International Agriculture: basic principles and approaches 6 C	<b>Elective compulsory module 5:</b> M.SIA.E21 Rural Sociology 6 C	<b>Compulsory module 4:</b> M.WIWI-QMW.0004 Econometrics I 6 C			<b>Elective module 6:</b> M.SIA.E17M Management and Management accounting 6 C
4. Σ 30 C GÖ/KS	<b>Master's thesis &amp; colloquium</b>  30 C						
Σ 120 C							

\* Σ C = average work load in the respective semester in credits

