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Faculty of Forestry Sciences and Forest Ecology:

On 17.09.2019, in accordance with a resolution passed by the Faculty Council of the Faculty of Forest Sciences and Forest Ecology dated 16.07.2019, the Presidential Board of University of Göttingen approved the first amendment to the examination and study Regulations for the consecutive master's degree programme in Sustainable Forest and Nature Management in the version contained in the announcement dated 23.10.2012 (Official Announcements I. No. 36/2012 P. 1891) § 44 (1) sentence 2 NHG in the version contained in the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 1 of the Act dated 11.09.2019 (Nds. GVBl. p. 261); § 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 Forest and Nature Management”
at the University of Göttingen**

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Appendix I: Module summary and periods of studies

§ 1 Scope

(1) The provisions of the "General examination regulations for the bachelor's and master's degree programmes as well as other courses and degrees offered at the University of Göttingen" (APO) as amended shall apply to the consecutive master's degree programme in Sustainable Forest and Nature Management.

(2) These regulations stipulate additional provisions for the consecutive master's degree programme in Sustainable Forest and Nature Management.

(3) The master's degree programme in Sustainable Nature and Forest Management is conducted in a consortium of the following 5 universities (SUFONAMA partner universities):

- Bangor University, Wales, Great Britain;
- Københavns Universitet, Denmark;
- University of Göttingen, Germany;
- Università degli Studi di Padova, Italy;
- Sveriges Lantbruksuniversitet, Alnarp, Sweden;

The University of Copenhagen, Denmark, is charged with coordination.

(4) The examination provisions in place at the host partner universities shall apply to all study and examination components not completed at the University of Göttingen.

§ 2 Objectives of the academic programme, purpose of the examinations

(1) ¹The master's degree programme in Sustainable Forest and Nature Management conveys to students in-depth knowledge and skills required to tackle the major European challenges in sustainably managing natural resources, in particular in managing forests and natural regions that can only be considered in the wider context of integrative landscape planning. ²The degree programme has a clear focus on current scientific questions, methods and developments in the European area. This enables the graduates to understand new scientific findings, to evaluate them based on sound technical knowledge and to apply and develop them.

(2) ¹The master's degree programme in Sustainable Forest and Nature Management has a wide variety of elective subjects for individual personal development. ²This academic programme and its focus on application prepares for work as a scientific expert in ministries, forestry and conservation authorities, forestry and conservation associations, consulting firms, non-government organisations (NGOs) and international organisations.

(3) The master examination will ascertain that the person presenting for examination has indeed acquired the advanced specialised knowledge in forest sciences and the sub-disciplines therein required for the purpose of the degree programme, understands the connections between the individual sub-disciplines and possesses the ability to work in accordance with scientific principles, to question models of forest sciences and to convey insight in forest sciences to outside persons.

§ 3 Academic degree

(1) Upon successful completion of the master examination, both universities at which study and examination components were completed over the course of the degree programme each award the university degree Master of Science (short form: M.Sc.), if necessary, with the added title used in the respective country.

(2) ¹Each university will issue a degree certificate for the university degree they award, whereby the two degree certificates are integrated in such a way as to represent one single degree certificate in terms of content. ²The degree certificate can only be issued in an integrated form. ³The University of Göttingen issues the degree certificate in English or on request in German with the date of certificate; in addition to stating the degree programme, the degree certificate also specifies the joint structure of the programme.

§ 4 Recommended prior knowledge

¹Good knowledge of theoretical and practical approaches in forest sciences is recommended for students in order to ensure a successful course of studies. ²Prospective students for the degree programme whose knowledge of the regional language in the country chosen for the second year of studies (Danish, German, Italian, Swedish) is insubstantial are advised to take suitable courses.

§ 5 Structure of the academic programme, standard course length, periods of studies

(1) The academic programme starts with the winter semester.

(2) The standard course length is four semesters.

(3) The consecutive master's degree programme in Sustainable Forest and Nature Management is not suitable for part-time studies.

(4) The academic programme comprises 120 credits (ECTS credits; short form: C), which are completed in a scope of 60 C each at two of the five participating SUFONAMA partner universities and are distributed as follows:

focus studies, including specialisation and key competencies (90 C)

Master thesis (30 C)

(5) ¹The study and examination components should be completed in both compulsory and optional required modules. ²The number, type and scope of the modules to be successfully completed are governed by the module overview (appendix I). ³Module catalogue and module handbook for the modules offered in Göttingen are published separately in a common electronic version (digital module directory); they are part of these regulations, insofar as the modules are itemised in the module overview (appendix I).

(6) ¹The first year of studies (60 C) can be completed in Bangor, Göttingen or Copenhagen

and provides qualification for all five study focuses in the second study year at one of the other participating partner universities. ²The curriculum for the first / second study year at the University of Göttingen is defined in appendix I. ³One year of studies must be completed at a partner university other than the University of Göttingen.

(7) The first year of studies lays the foundation for the ability to acquire an overview of the central contexts within the subject of forest science, to apply fundamental scientific methods and insight and to convey the specialised, thorough specialised knowledge required for their application in the practical field.

(8) ¹In the second year of studies, students are expected to acquire more in-depth, specialised knowledge on a subject they select for themselves in order to acquire good general and specialised aptitude for the professional field and to lay the foundation for further acquisition of an academic degree (doctoral studies.). ²In order to achieve this goal, well-founded theories are intimately connected to application problems and developments in practice, so that the students obtain both academic qualification and professional decision-making skills.

§ 6 Academic programme sections

(1) The degree programme is divided into two study sections: the focus studies of the first year and the specialisation phase of the second year of studies.

(2) ¹In the first year of studies, 60 C must be acquired. ²This also includes the area of specialised competency (focus studies).

(3) ¹The second year of studies involves in-depth and specialised studies and also includes the written thesis. ²in the second year of studies 60 C must be acquired, 30 C of which by producing the master thesis.

(4) The following study focuses can be selected in the second year of studies:

- a) Forest Management in Scandinavia and the Baltic Region (Alnarp)
- b) Conservation Biology and Land Management (Bangor)
- c) Forest and Nature Management in a Changing Climate (Göttingen)
- d) Management of Forest and Nature for Society (Copenhagen)
- e) Mountain Forestry and Watershed Management (Padova)

§ 7 Examination Registration and Withdrawal Deadlines

(1) ¹Each semester, the examination board will set an examination period which usually lasts six weeks and starts after the end of the period of lectures. ²Examination dates can be set outside of the examination period according to clause 1. This is decided by the Dean of Studies upon application by the examinee.

(2) The dates of the module tests are specified by the Examination Office after hearing the examinee and should be announced in the electronic examination management system at the latest six weeks before the module test.

(3) ¹Electronic registration for a module examination must be completed no later than seven days before the examination date. ²Students may withdraw from an examination without stating reasons no later than seven days beforehand. In the case of a written examination, students may withdraw up to one day beforehand.

§ 8 Repeatability of examinations

(1) ¹Once passed, examinations may only be repeated once in order to improve the grade. ²Repetition does not lead to any devaluation of the grade. ³Repetition must take place in the next possible examination period for the corresponding module.

(2) Examinations in optional required modules which have been failed or are deemed to have been failed must be retaken.

(3) A master thesis which has been failed may be repeated once.

(4) Students will receive the same number of minus points for a failed module examination and part thereof as they could have gained in ECTS credits for passing the corresponding module or part thereof.

(5) Repetition is not permitted as soon as the circumstances covered by § 12 section 2 apply.

§ 9 Admission to the master thesis

(1) Admission to the master thesis requires confirmation that all modules in the first year of studies are completed with a rating of at least 30 C.

(2) ¹The written application for admission to the master thesis must be submitted to the responsible examination board. ²The following material must be enclosed with the application:

a) proof of fulfilment as concerns the requirements specified under section 1,

b) proposal of the topic for the master thesis,

c) a proposal for the first academic advisor or the second academic advisor,

d) written confirmation of the first academic advisor and the second academic advisor,

e) a declaration specifying that the master examination in the master's degree programme in Sustainable Forest and Nature Management has not been failed definitively or registered as definitively failed in the same or similar master's degree programme at a domestic or foreign university.

³The proposals under letters b) and c) as well as the proof as specified under letter d) are unnecessary if the student provides assurance that he or she has been unable to find an academic advisor.

(3) ¹The examination board decides on admission. ²This should be rejected if the qualifications for entry are not fulfilled or the master examination in the master's degree programme in Sustainable Forest and Nature Management or a comparable master's degree programme at a domestic or foreign university has been definitively failed or regarded as definitively failed.

§ 10 Master thesis

(1) ¹With the written master thesis, the candidate is expected to prove that he or she is capable of working on a problem using the methods of forest sciences and within the specified timeframe, developing an independent, scientifically justified judgement, arriving at scientifically substantiated propositions and presenting the results in a formally as well as linguistically appropriate manner. ²30 C are awarded for successful completion of the master thesis.

(2) ¹The preliminary topic of the master thesis, which can be written in German or in English, must be agreed with the academic advisor and must be submitted to the responsible examination board with a confirmation from the academic advisor and with a proposal for the second examiner. ²Should a candidate be unable to find an academic advisor; the responsible examination board will appoint examiners and a topic. ³The candidate's view should be considered in choosing the topic. ⁴The approval of the topic for the master thesis is dealt with by the Examination Office. ⁵The time of issue must be recorded.

(3) ¹The master thesis should be completed within a period of 6 months. ²Upon application of the candidate, the examination board can extend the deadline for submitting the thesis by a maximum of three months, upon agreement with the first academic advisor, and existence of an important reason that cannot be attributed to the candidate. ³An important reason normally exists in the case of an illness that is to be notified immediately and demonstrated by producing a medical certificate.

(4) ¹The topic can be returned only once and only within the first 8 weeks of the time allotted for completing the thesis. ²A new topic can only be agreed on one occasion and only within the first 4 weeks allowed for completion. ³In the event that a master thesis is repeated, the topic may be returned only in accordance with clause 1 if the examinee has not resorted to this option in the first submission of the master thesis.

(5) ¹The master thesis must be submitted to the responsible Examination Office in three identical copies with glued binding within the deadline. ²It should also be submitted in an electronic form according to more specific regulation of the examination board. ³The time of submission should be recorded. ⁴Upon submission, the candidate should declare in writing that he or she has independently compiled the work or - in case of group work - the correspondingly marked proportion of the work and has not used any sources and tools other than those specified. Master theses in German must contain an English translation of the title

and a one-page English abstract; master theses in English must contain a German translation of the title and a one-page summary in German.

(6) ¹The Examination Office forwards the master thesis to the examiners. ²Each examiner assigns a grade. One examiner must be a member of the professoral group at the Faculty of Forest Sciences and Forest Ecology.

(7) The duration of the assessment procedure shall not exceed 4 weeks.

§ 11 Examination board

¹The examination board consists of seven members, each of whom holds a vote, among them are four members from the professoral group, one member from the faculty group and two members from the group of students; one member is from the Examination Office, acting in a consulting capacity. ²At the same time, a deputy is nominated for each member. ³If a member or a deputy steps down prematurely, a substitute member will be nominated for the remaining tenure.

§ 12 Passing, definitive failing and distinction

(1) The master examination is passed once the master thesis and the required module examinations have been completed successfully.

(2) Besides the cases mentioned in the APO, the right to take an examination shall permanently expire if the number of the minus points from module examinations exceeds 24 in the 1st study year or 12 in the 2nd study year.

(3) The rating "with distinction" is awarded for a grade point average up to and including 1.3 and noted on the certificate and the degree certificate.

§ 13 Study and examination advice

(1) ¹The students are obliged to consult with the student advisory service of the faculty over the entire course of studies. ²This has the task of supporting individual study planning. ³The students are recommended to consult the student advisory service, especially at the start of the academic programme and before decisions on changes to their study plan, as concerns the selection of study focuses or in the structure of optional required modules; furthermore, it should also be consulted when planning a course of study abroad and after failing any examination.

(2) All lecturers in the appropriate research area and their colleagues are available during their consulting hours to provide study advice relating to special research areas.

(3) Advice is offered in particular on examination matters and for questions regarding accreditation of study and examination components by the staff of the Examination Office.

(4) ¹In addition to the faculty study advisory service, students also have access to the Central Student Advisory Office of the University of Göttingen. ²As a general study advisory service, it

provides information in the case of interdisciplinary issues, as well as study opportunities, contents, structure and requirements of a course of studies and advises in the case of study-related personal difficulties.

§ 14 Entry into force; interim regulations

(1) This regulation will come into force with retroactive effect to 01/10/2012 following its publication in the Official Announcements I of the University of Göttingen.

(2) At the same time, the examination regulations for the master's degree programme Sustainable Forest and Nature Management in the version contained in the announcement dated 06.07.2007 (Official Announcements I no. 12/2007 p. 552) and the study regulations for the master's degree programme Sustainable Forest and Nature Management in the version contained in the announcement dated 06.07.2007 (Official Announcements I no. 12/2007 p. 563) shall cease to be effective.

(3) ¹Students who commenced their academic programme before an amendment to these examination and study regulations came into force and who have remained enrolled within this course of studies without interruption, shall be examined, upon application, on the basis of the examination and study regulations in place before the amendments came into force. The application must be made within 6 months of the amendment coming into force. ²In the event that, upon application according to clause 1, the examination and study regulations are to be applied in the version in place before an amendment to 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. ³A different decision can be reached especially in cases where an examination component can be repeated, or a compulsory or optional required module has changed significantly or been cancelled. ⁴The examination board can draw up general rules for this purpose. ⁵Examinations based on a version valid prior to the coming into force of an amendment to the existing examination and study regulations will be conducted for the last time in the fourth semester after the amendment has come into force.

Appendix I: Module summary and periods of studies

120 C must be acquired in accordance with the provisions contained hereinafter.

1. Overall structure

The first year of studies in the master's degree programme Sustainable Forest and Nature Management can be completed at one of the three partner universities in Bangor (Great Britain), Göttingen or Copenhagen (Denmark); a joint module comes at the end of this year. After the first year of studies, students must switch to another university, which additionally include the universities in Alnarp (Sweden) and Padova (Italy):

1st year	
Bangor	Joint
Göttingen	Summer
Copenhagen	Modules

2nd year
Alnarp
Bangor
Göttingen
Copenhagen
Padova

2. First year of studies



2.1 First year of studies in Göttingen

The first year of studies in Göttingen includes the following compulsory and optional required modules. Students must attend either M.SUFONAMA.3 or M.SUFONAMA.5. Furthermore, students must successfully complete one of the modules, M.FORST.1601, M.FORST.1609 or M.FORST.1621, and one of the modules M.FORST.1522, M.FORST.1523 or M.FORST.1619.

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
M.FORST.1512	International forest policy and economics	6	P
M.FORST.1513	Monitoring of forest resources	6	P
M.FORST.1600	Forest management under different climatic conditions	6	P
M.FORST.1606 (SUF)	Forestry in Germany	10	P
M.SUFONAMA.1	Contemporary temperate forest and nature management	5	P
M.SUFONAMA.2	Location specific knowledge in forest and nature management	7,5	P
M.SUFONAMA.3	Joint summer module	7,5	WP
M.SUFONAMA.5	Forest research project	7,5	WP
M.FORST.1601	Bioclimatology and global change	6	WP
M.FORST.1609	Remote sensing image processing with open source software	6	WP
M.FORST.1621	Ecological functions of wildlife: implications for conservation and management	6	WP
M.FORST.1522	Project planning and evaluation	6	WP
M.FORST.1523	Biometrical research methods	6	WP
M.FORST.1619	Modern concepts and methods in macroecology and biogeography	6	WP
		60	

2.2 First year of studies in Bangor

The first year of studies in Bangor includes the following compulsory and optional required modules:

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
1	Silviculture	10	P
2	Natural Resource Management	10	P
3	Contemporary Forestry	5	P
4	Forest Ecology and Resources	10	P
5	Research Planning & Comm	10	P
6	Location specific knowledge	7,5	P
7	Erasmus Mundus Summer Module	7,5	P
		60	

2.3 First year of studies in Copenhagen

The first year of studies in Copenhagen includes the following compulsory and optional required modules. One of the two optional required modules must be successfully completed in the process.

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
1	Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Systems	15	P
2	Applied Economics of Forest and Nature	7,5	P
3	Conflict Management	7,5	P
4	Global Environmental Governance	7,5	P
5	Climate Change and Forestry: Monitoring and Policies	7,5	P
6	Location Specific Knowledge and Fieldwork in Temporary Forest and Nature Management	7,5	P
7	Sustainable Forest and Nature Management	7,5	WP
8	International Nature Conservation	7,5	WP
		60	

* conditional on permission by Faculty Study Board

3. Second year of studies

3.1 Students completing their first year of studies in Göttingen

Students who completed their first year of studies in Göttingen must continue their academic programme in the second year of studies at one of the other participating universities, and must select one of the following study focuses:

- (a) *Conservation Biology and Land Management (Bangor)*
- (b) *Management of Forest and Nature for Society (Copenhagen)*
- (c) *Forest Management in Scandinavia and the Baltic Region (Alnarp)*
- (d) *Mountain Forestry and Watershed Management (Padova)*

3.1.1 Second year in Alnarp: Forest Management in Scandinavia and the Baltic Region

The second year of studies in Alnarp includes the following optional required modules. Optional required modules with a rating of 30 credits must be obtained in the process.

Module No.	Module Title	ECTS	Compulsory (P) / Optional required (WP)
1	Sustainable forestry in southern Sweden	15	WP
2	Planning in sustainable forest management	15	WP
3	National and international forest policy	15	WP
4	Broadleaves: ecology, nature conservation, silviculture	15	WP
6	MSc research project / Thesis	30	
		60	

3.1.2 Second year in Bangor: Conservation Biology and Land Management

The second year of studies in Bangor includes the following compulsory and optional required modules:

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
1	Conservation science	10	P
2	Agriculture & the environment	10	P
3	Research planning & Comm	10	P
4	Thesis	30	
		60	

3.1.3 Second year in Copenhagen: Management of Forest and Nature for Society

The second year of studies in Copenhagen includes the following compulsory and optional required modules. Optional required modules with a rating of 22,5 credits must be obtained in the process.:

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
1	Research Interdisciplinary Research	7,5	P
2	Behavioural and Experimental Economics	7,5	WP
3	Biodiversity in Urban Nature	7,5	WP
4	Conflict Analysis and Negotiation Design	7,5	WP
5	Applied Econometrics	7,5	WP
6	Tropical Forests, People and Policies	7,5	WP
7	Biodiversity in Managed Forests	7,5	WP
8	Silviculture of Temperate Forests	7,5	WP
9	Applied Economics of Forest and Nature	7,5	WP
10	Participatory Natural Resource Governance	7,5	WP
11	Project in Practice - main supervisor from the Department of Food and Resource Economics 15 or 30 ECTS	15	WP
12	Participatory Natural Resource Governance	15	WP
13	Ecosystem Services from Forests and Nature	7,5	WP
14	Natural Resource Sampling and Modelling	7,5	WP
15	Thesis	30	P
		60	

3.1.4 Second year in Padova: Mountain forestry and watershed management

The second year of studies in Padova includes the following compulsory and optional required modules:

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
1	Forest Transportation	9	P
2	Market based Instruments for Ecosystem Services	6	P
3	Forest Hydrology and Erosion Control	11	P
4	Mountain river Morphology and Restoration	6	P
5	Guidelines to develop your Master Thesis	2	P
6	Thesis	26	P
		60	

3.2 Students completing their second year of studies in Göttingen

Students who come to the University of Göttingen in their second year of studies must complete the following compulsory modules, with a total rating of 24 C, an optional required module, with a total rating of 6C, and must also successfully complete their master thesis:

Modul-Nr.	Modul-Titel	ECTS	Pflicht (P) / Wahlpflicht (WP)
M.FORST.1513	Monitoring of forest resources	6	P
M.FORST.1600	Forest management under different climatic conditions	6	P
M.FORST.1601	Bioclimatology and global change	6	P
M.SUFONAMA.4	Research planning	6	P
M.FORST.1512	International forest policy and economics	6	WP
M.FORST.1609	Remote sensing image processing with open source software	6	WP
M.FORST.1621	Ecological functions of wildlife: implications for conservation and management	6	WP
	Thesis	30	P
		30	

30 C are awarded for successful completion of the master thesis.