



Programme-specific Section of the Curriculum for the MSc Programme in Forest and Livelihoods, Sustainable Tropical Forestry at the Faculty of Science, University of Copenhagen 2010 (Rev. 2021)

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1 Title, affiliation and language

A shared section that applies to all BSc and MSc Programmes at the Faculty of Science is linked to this programme-specific curriculum.

1.1 Title

The MSc Programme in Sustainable Tropical Forestry leads to a double degree awarded with two of the following titles depending on choice of mobility track:

- UCPH: Master of Science (MSc) in Forest and Livelihoods (Copenhagen) with the Danish title: *Cand. scient. i bæredygtig tropisk skovbrug*.
- BU: Master of Science (MSc) in Sustainable Tropical Forestry.
- DUT: Master of Science (MSc) in Tropical Forestry.
- APT: Master of Science (MSc) in Agricultural Sciences, Specialisation Environmental Management of Ecosystems and Tropical Forests with the French title: Master 3A: Sciences et technologies de l'agriculture, de l'alimentation et de l'environnement, parcours Gestion environnementale des écosystèmes et forêts tropicales.
- UP: Master of Science (MSc) in Forest Science with the Italian title: Scienze forestali.

1.2 Affiliation

The programme is affiliated with Study Board of Natural Resources, Environment and Animal Science at University of Copenhagen, and the students can both elect, and be elected, to this study board.

1.3 Corps of external examiners

The following corps of external examiners is used for the central parts of the MSc Programme:

- Corps of External Examiners for Agricultural Science (*jordbrugsvidenskab*).

1.4 Language

The language of this MSc Programme is English.

The second year specialisation at AgroParisTech in Montpellier is taught in French.

2 Academic profile

2.1 Purpose

The main objective of the programme is to educate graduates that are able to deal with the huge challenges of contemporary tropical forestry. The aim is to provide the graduates with a firm theoretical foundation and understanding of principles and processes that underpin sustainable tropical forestry development, including the social and environmental context, ability to apply theory of the sustainable management of forests and other natural resources in the tropics to real life situations, ability to function on the international scene, and openness to foreign cultures. During their studies, the students are extensively exposed to realities of the tropics – both during the compulsory Sustainable Tropical Forestry School and in relation to thesis work on tropical forestry issues.

2.2 General programme profile

SUTROFOR has an interdisciplinary approach combining the traditional aspects of biology/ecology (silviculture) and economics with livelihood concerns. During the two-year programme, all students must study at two of the consortium partner institutions. The first study year has common learning outcomes, whereas the second year focuses on a line specialization.

Forestry is the key subject area of the programme.

2.3 General structure of the programme

The MSc Programme is set at 120 ECTS.

The first year of study must take place at University of Copenhagen followed by a compulsory year of study at one of four partner institutions.

The MSc Programme in Sustainable Tropical Forestry consists of the following elements:

- Specialisation 1, 60 ECTS, completed at University of Copenhagen.
- Specialisation 2, 60 ECTS, including the thesis.

The student must choose one of the following specialisations for their second year of study:

- Specialisation 2: Agroforestry Systems (Bangor University)
- Specialisation 2: Tropical Forest Management (Dresden University of Technology)
- Specialisation 2: Environmental Management and Policies for Tropical Forests (AgroParisTech, Montpellier)
- Specialisation 2: Social and Environmental Responsibility in Tropical Forestry (University of Padova)

2.4 Career opportunities

The SUTROFOR programme qualifies graduates to apply to PhD programmes or pursue a career in practice. The programme provides access to a diverse national and international sector that holds many opportunities for professional jobs within development and sustainable management of forest and other natural resources in developing countries. Sectors of particular relevance are:

- Universities and research institutions.
- Development agencies with national and international scope, e.g. Danida, FAO or UNEP, as well as NGOs.
- Government bodies where graduates are involved in policy related activities.
- Private companies, consultancies and industries dealing with developing country issues or products.

3 Description of competence profiles

Students following the MSc Programme acquire the knowledge, skills and competences listed below. Students will also acquire other qualifications through elective subject elements and other study activities.

3.1 Generic competence profile

Based on the European Qualifications Framework and the Dublin Descriptors, with focus on level 7 learning outcomes and second cycle qualifications, the first year programme provides opportunities for students to achieve and demonstrate the following specific learning outcomes:

On completion of the programme, an MSc in Sustainable Tropical Forestry has acquired the following:

Knowledge about:

- Fundamentals of business and governmental ethics; international initiatives in promoting a responsible use of forest resources.

- Forestry in a global economy; responsible trade of tropical products and services.
- Fundamentals of societal marketing, initiatives and instruments for environmental and social responsibility; processes and procedures of forest certification.
- The global forest policy debate; new models of governance; conflict management in tropical forestry.

Skills in/to:

- Critically apply relevant qualitative and quantitative data collection methods.
- Appropriate use of standard instruments for social and environmental responsibility in forest management as well as in timber and other forest products and services supply.
- Fieldwork design, empirical data collection, preparation of guidelines for sustainable tropical forest management.
- Participate in academic discussions of issues related to ethics in forest management and development.

Competences in/to:

- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life.
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists.
- Manage research, advisory and management activities in relation to social and environmental responsibility in tropical forestry.
- Carry out research, advisor and/or policy related activities related to social and environmental responsibility in tropical forestry, in international development organisations, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions.

The SUTROFOR students spend their second study year at one of the five consortium institutions. The educational objectives in terms of subject specific knowledge, skills and competences of the five possible specialisations are listed below. In terms of skills and competences, the five study tracks have common learning outcomes:

- Critically apply relevant qualitative and quantitative data collection methods
- Appropriate use of standard analyses to address sustainable tropical forestry development problems
- Fieldwork design, empirical data collection, preparation of guidelines for sustainable tropical forest management
- Participate in academic discussions of issues related to tropical forestry and development
- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists
- Manage research, advisory and management activities in relation to sustainable tropical forestry
- Carry out research, advisor and/or policy related activities related to sustainable tropical forestry, in international development organisations, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions

3.2 Specialisation 2: Forests and Livelihoods in Developing Countries (University of Copenhagen)

This specialisation is available to students who have completed their first year of study at Bangor University or Dresden Technical University.

The specialisation provides graduates with a thorough understanding of the conditions of rural livelihoods in a micro economic context, and ability to apply theory to the sustainable management of forests and other natural resources in the tropics. Emphasis is on natural forests, livelihoods and decentralised (participatory) management.

On completion of the programme, an MSc in Sustainable Tropical Forestry with a specialisation in Forests and Livelihoods in Developing Countries has acquired the following:

Knowledge about:

- The general role of forests and trees in rural livelihoods and development, including poverty prevention and reduction.
- The role of forest products in household current consumption, as safety nets, and in providing pathways out of poverty.
- Account for and critically evaluate research and theories in relation to forests and livelihoods in developing countries.
- Familiarity and understanding of interdisciplinary and intercultural work.

Skills in/to:

- Critically apply relevant qualitative and quantitative data collection instruments.
- Appropriate use of standard economic analyses to address sustainable tropical forestry development problems in relation to livelihoods.
- Fieldwork design, empirical data collection, preparation of guidelines for livelihood related sustainable tropical forest management.
- Participate in academic discussions of issues related to forests, livelihoods and development.

Competences in/to:

- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life.
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists.
- Manage research, advisory and management activities in relation to tropical forestry in general, and forests and livelihoods in particular.
- Carry out research, advisor and/or policy related activities related to tropical forestry, and in particular forests and livelihoods, in international development organisations, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions.

3.3 Specialisation 2: Agroforestry Systems (Bangor University)

This specialisation provides graduates with a thorough integrated education in natural resource management, combining ecological, economic and social dimensions of agricultural and forest sciences, focused on application to real world tropical systems where trees interact with agriculture at a range from micro to macro scale.

On completion of the programme, an MSc in Sustainable Tropical Forestry with a specialisation in Agroforestry Systems has acquired the following:

Knowledge about:

- Key aspects of the contributing disciplines of economics, social science, and animal and plant ecology as they are applied in agricultural and forest management.
- The integration of knowledge across disciplines in natural resource management, with emphasis on agro-ecosystem services and properties.
- Agroforestry practices and their role in farming and forest systems.
- The biology, domestication and management of multipurpose trees.

Skills in/to:

- Critically apply relevant qualitative and quantitative data collection methods.
- Appropriate use of standard analyses to address sustainable tropical forestry development problems in relation to agroforestry.
- Fieldwork design, empirical data collection, preparation of guidelines for agroforestry related sustainable tropical forest management.
- Participate in academic discussions of issues related to agroforestry and development.

Competences in/to:

- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life.
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists.
- Manage research, advisory and management activities in relation to tropical forestry in general, and agroforestry in particular.
- Carry out research, advisor and/or policy related activities related to tropical forestry, and in particular agroforestry, in international development organisations, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions.

3.4 Specialisation 2: Tropical Forest Management (Dresden University of Technology)

This specialisation provides graduates with a thorough understanding of forest management practices, ability to apply the theory to the sustainable management of natural forests, forest plantations and urban forestry. Emphasis is on natural forests and participatory management.

On completion of the programme, an MSc in Sustainable Tropical Forestry with a specialisation in Tropical Forest Management has acquired the following:

Knowledge about:

- A holistic diagnosis of the state of tropical natural forests, forest plantations, and urban trees and parks.
- The role of natural forests, forest plantations, and urban trees and parks for development in the tropics, considering property situation, organisational system and actor constellation.
- Account for and critically evaluate research and theories in relation to forest management in the tropics.
- Familiarity and understanding of models for the implementation of management planning under different framework conditions.

Skills in/to:

- Critically apply relevant qualitative and quantitative data collection methods.
- Appropriate use of standard analyses to address sustainable tropical forestry development problems in long and short term management systems.

- Fieldwork design, empirical data collection, preparation of guidelines for sustainable tropical forest management.
- Participate in academic discussions of issues related to forest management and development.

Competences in/to:

- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life,
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists.
- Manage research, advisory and management activities in relation to tropical forestry, including natural forests, forest plantations, and urban trees and parks.
- Carry out research, advisor and/or policy related activities related to a wide range of tropical forest systems, in international development organisations, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions.

3.5 Specialisation 2: Environmental Management and Policies for Tropical Forests (AgroParisTech)

This specialisation provides graduate individuals with a thorough understanding of the interactions between human and biological processes that drive structure and functioning of tropical forests from the local to global scales, enabling them able to implement or appraise environmental actions targeted at tropical forest ecosystems.

On completion of the programme, an MSc in Sustainable Tropical Forestry with a specialisation in Environmental Management and Policies for Tropical Forests has acquired the following:

Knowledge about:

- Tropical forest ecosystems as a result of human and other ecological interactions: ecological processes underpinning structure and functioning of tropical forests.
- Theoretical and methodological frameworks for environmental management and policies applied to tropical forests.
- Account for and critically evaluate research and theories in relation to environmental management of tropical forests.
- Familiarity and understanding of models for the implementation of environmental management of tropical forests.

Skills in/to:

- Critically apply relevant qualitative and quantitative data collection methods.
- Appropriate use of standard ecosystem and social science analyses to address sustainable tropical forestry development problems.
- Fieldwork design, empirical data collection, preparation of guidelines for sustainable tropical forest management.
- Participate in academic discussions of issues related to forest management and development.

Competences in/to:

- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life.
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists.

- Manage research, advisory and management activities in relation to tropical forest ecosystems and evaluate options for their environmental benefits.
- Carry out research, advisor and/or policy related activities related to environmental aspects of tropical forest systems, in international development organisations, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions.

3.6 Specialisation 2: Social and Environmental Responsibility in Tropical Forestry (University of Padova)

This specialisation provides graduates with a thorough understanding of the main theoretical concepts, international framework and practical tools related to Corporate Social Responsibility (CSR) in forestry, ability to apply them to production and marketing of forest products and services, and who understand the potentialities and consequences of promoting a responsible use of forest resources worldwide.

On completion of the programme, an MSc in Sustainable Tropical Forestry with a specialisation in Social and Environmental Responsibility in Tropical Forestry has acquired the following:

Knowledge about:

- Fundamentals of business and governmental ethics; international initiatives in promoting a responsible use of forest resources.
- Forestry in a global economy; responsible trade of tropical products and services.
- Fundamentals of societal marketing, initiatives and instruments for environmental and social responsibility; processes and procedures of forest certification.
- The global forest policy debate; new models of governance; conflict management in tropical forestry.

Skills in/to:

- Critically apply relevant qualitative and quantitative data collection methods.
- Appropriate use of standard instruments for social and environmental responsibility in forest management as well as in timber and other forest products and services supply.
- Fieldwork design, empirical data collection, preparation of guidelines for sustainable tropical forest management.
- Participate in academic discussions of issues related to ethics in forest management and development.

Competences in/to:

- Display the competences, key skills, behaviour and attitudes required in an interdisciplinary and intercultural professional working life.
- Communicate clearly, concisely and confidently in spoken and written formats with both academic audiences and in public discussions with non-specialists.
- Manage research, advisory and management activities in relation to social and environmental responsibility in tropical forestry.
- Carry out research, advisor and/or policy related activities related to social and environmental responsibility in tropical forestry, in international development, government bodies, non-governmental organisations, development agencies, industry bodies and research institutions.

4 Admission requirements

In compliance with Ministerial Order on the International Education Activities of Universities (No 247 of 13 March 2015) joint admission requirements and procedures have been established and are implemented by the five partner institutions involved in the delivery of the MSc programme in Sustainable Tropical Forestry.

4.1 Applicants with a related Bachelor's degree

Applicants with a Bachelor's degree in the following are directly academically qualified for admission to the MSc Programme:

- Bachelor's degree in Agricultural Economics, Biology, Geography and Geoinformatics, Natural Resources or Economics from the University of Copenhagen.
- Bachelor's degree in Biology, Agrobiology or Economics from Aarhus University.
- Bachelor's degree in Biology or Geography from Aalborg University
- Bachelor's degree in Biology, TekSam, Natural Sciences or Geography as well as the International Bachelor's degree in Natural Sciences from Roskilde University
- Bachelor's degree in Biology from University of Southern Denmark
- Professional Bachelor's degree in Forest and Landscape Engineering or Urban Landscape Engineering from the University of Copenhagen.
- Bachelor's degree within the area of forestry, agriculture, biology, geography or related areas from other Danish, Nordic or international universities.

4.2 Other applicants

The Faculty may also admit applicants who, after an individual academic assessment, are deemed to possess educational qualifications equivalent to those required in Subsection 4.1.

4.3 Language requirements

Applicants must as a minimum document English language qualifications comparable to a Danish upper secondary school English B level or English proficiency corresponding to the tests and scores required. Accepted tests and required minimum scores are published online at www.science.ku.dk.

Applicants who choose Environmental Management and Policies for Tropical Forests at AgroParisTech in Montpellier, France, as their specialisation in the second year of study must be able to document French proficiency corresponding to Delf – B2 level or TEF>500.

4.4 Supplementary subject elements

The qualifications of an applicant to the MSc program are assessed exclusively on the basis of the qualifying bachelor's degree. Supplementary subject elements passed between the completion of the bachelor's program and the admission to the MSc program cannot be included in the overall assessment.

However, subject elements passed before the completion of the bachelor's program may be included in the overall assessment. This includes subject elements completed as continuing education as well as subject elements completed as part of a former higher education program. A maximum of 30 ECTS supplementary subject elements can be included in the overall assessment.

Subject elements passed before completing the BSc programme which are to form part of the MSc programme to which the student has a legal right of admission (§12-courses) cannot be included in the overall assessment.

5 Prioritisation of applicants

If the number of qualified applicants to the programme exceeds the number of places available, applicants will be prioritised as follows:

- 1) All applicants.

If the number of qualified applicants within a category exceeds the number of places available, applicants will be prioritised according to the following criteria (listed below in prioritised order):

- Academic excellence assessed by the applicant's average grade points achieved in the qualifying Bachelor's degree.
- Personal motivation.
- Relevant work experience within sustainable tropical forestry.

6 Structure of the programme

The compulsory subject elements, elective subject elements and the thesis constitute the central parts of the programme (Section 21 of the Ministerial Order on Bachelor and Master's Programmes (Candidatus) at Universities).

Before the beginning of the MSc Programme the student will choose destination and specialisation for their second year of study.

In the first study year, three modules are joint and compulsory, regardless of first year institution. In the second year a course in Research Planning is compulsory regardless of second year institution.

6.1 Specialisation 1: University of Copenhagen

The specialisation is set at 60 ECTS and consists of the following:

- Compulsory subject elements, 37,5 ECTS
- Elective subject elements, 22,5 ECTS

6.1.1 Compulsory subject elements (University of Copenhagen)

All of the following subject elements are to be covered (37.5 ECTS):

| | | |
|--------------|--|----------|
| • NIFK14013U | Tropical Forests, People and Policies | 7.5 ECTS |
| • LOJK10282U | Applied Economics of Forest and Nature | 7.5 ECTS |
| • LNAK10097U | Preparing Field Work in the Tropics | 7.5 ECTS |
| • NIFK14035U | Sustainable Tropical Forestry School | 7.5 ECTS |
| • NIFK14037U | Climate Change and Forestry: Monitoring and Policies | 7.5 ECTS |

6.1.2 Elective subject elements

22.5 ECTS are to be covered as elective subject elements.

All subject elements at MSc level may be included as elective subject elements in the MSc Programme.

BSc subject elements corresponding to 15 ECTS may be included in the MSc Programme without the approval of the study board.

Projects outside the course scope may be included in the elective section of the programme with up to 15 ECTS. The regulations are described in Appendix 5 to the shared section of the curriculum.

Projects in practice may be included in the elective section of the programme with up to 15 ECTS. The regulations are described in Appendix 4 to the shared section of the curriculum.

6.1.3 Admission to the next specialisation

Students with this specialisation can be admitted to the following specialisations:

- Specialisation 2: Agroforestry Systems (Bangor University)
- Specialisation 2: Tropical Forest Management (Dresden University of Technology)
- Specialisation 2: Environmental Management and Policies for Tropical Forests (AgroParisTech, Montpellier)
- Specialisation 2: Social and Environmental Responsibility in Tropical Forestry (University of Padova)

6.2 Specialisation 1: Bangor University

- The specialisation is set at 60 ECTS and consists of the following:
- Compulsory subject elements, 60 ECTS

6.2.1 Compulsory subject elements (Bangor University)

All of the following subject elements are to be covered (60 ECTS):

| | |
|--|----------|
| • Forest Resources and Assessment | 10 ECTS |
| • Tropical Silviculture | 10 ECTS |
| • Ecosystem Function and Services | 10 ECTS |
| • Research Methods | 10 ECTS |
| • Preparing Field Work in the Tropics | 7.5 ECTS |
| • Sustainable Tropical Forestry School | 7.5 ECTS |
| • Climate Change and Forestry: Monitoring and Policies | 5 ECTS |

6.2.2 Admission to the next specialisation

Students with this specialisation can be admitted to the following specialisations:

- Specialisation 2: Forests and Livelihoods in Developing Countries (University of Copenhagen)
- Specialisation 2: Tropical Forest Management (Dresden University of Technology)
- Specialisation 2: Environmental Management and Policies for Tropical Forests (AgroParisTech, Montpellier)
- Specialisation 2: Social and Environmental Responsibility in Tropical Forestry (University of Padova)

6.3 Specialisation 1: Dresden University of Technology

- The specialisation is set at 60 ECTS and consists of the following:
- Compulsory subject elements, 60 ECTS

6.3.1 Compulsory subject elements (Dresden University of Technology)

All of the following subject elements are to be covered (60 ECTS):

| Course title | ECTS |
|---|----------|
| • Forest Ecology | 5 ECTS |
| • Forest Related Development and Land Use Policy | 5 ECTS |
| • Inventory and Assessment of Forest Resources | 5 ECTS |
| • Forest Plantations and Agroforestry | 5 ECTS |
| • Forest Utilization | 5 ECTS |
| • Forest Ecosystems, Silviculture and Forest Protection | 5 ECTS |
| • Economics and Management of Forest Resources | 5 ECTS |
| • Organisation and Management Systems | 5 ECTS |
| • Preparing Field Work in the Tropics | 7.5 ECTS |

| Course title | ECTS |
|--|----------|
| • Sustainable Tropical Forestry School | 7.5 ECTS |
| • Climate Change and Forestry: Monitoring and Policies | 5 ECTS |

6.3.2 Admission to the next specialisation

Students with this specialisation can be admitted to the following specialisations:

- Specialisation 2: Forests and Livelihoods in Developing Countries (University of Copenhagen)
- Specialisation 2: Agroforestry Systems (Bangor University)
- Specialisation 2: Environmental Management and Policies for Tropical Forests (AgroParisTech, Montpellier)
- Specialisation 2: Social and Environmental Responsibility in Tropical Forestry (University of Padova)

6.4 Specialisation 2: Forests and Livelihoods in Developing Countries (University of Copenhagen)

The specialisation comprises 60 ECTS and consists of the following:

- Compulsory subject elements, 22.5 ECTS
- Elective subject elements, 7.5 ECTS
- Thesis, 30 ECTS

6.4.1 Compulsory subject elements (University of Copenhagen)

All of the following subject elements are to be covered (22.5 ECTS):

| | | |
|--------------|---|----------|
| • NIFK20007U | Livelihoods and Environmental Change | 7.5 ECTS |
| • NIFK18001U | Planning Interdisciplinary Research | 7.5 ECTS |
| • NIFK16006U | Participatory Natural Resource Governance | 7.5 ECTS |

6.4.2 Elective subject elements

7.5 ECTS are to be covered as elective subject elements.

All subject elements at MSc level may be included as elective subject elements in the MSc Programme.

BSc subject elements corresponding to 7.5 ECTS may be included in the MSc Programme without the approval of the study board.

Projects outside the course scope may be included in the elective section of the programme with up to 7.5 ECTS. The regulations are described in Appendix 5 to the shared section of the curriculum.

Projects in practice may not be included in the elective section of the programme.

6.4.3 Thesis

The MSc Programme in Sustainable Tropical Forestry with a specialisation in Forests and Livelihoods in Developing Countries includes a thesis corresponding to 30 ECTS, as described in Appendix 2 to the shared curriculum. The thesis must be written within the academic scope of the programme.

The thesis must be based on at least two months of field work in a developing country. Subject to available funding, students will obtain financial support in connection with thesis field work if all compulsory courses have been successfully completed. The thesis can be combined with an internship at international organisations, NGOs, universities or similar.

6.5 Specialisation 2: Agroforestry Systems (Bangor University)

The specialisation is set at 60 ECTS and consists of the following:

- Compulsory subject elements, 30 ECTS
- Thesis, 30 ECTS

6.5.1 Compulsory subject elements (Bangor University)

All of the following subject elements are to be covered (30 ECTS):

| | |
|---------------------------------|---------|
| • Agroforestry Systems | 10 ECTS |
| • Silviculture for Agroforestry | 10 ECTS |
| • Research Planning | 10 ECTS |

6.5.2 Thesis

The MSc Programme in Sustainable Tropical Forestry with a specialisation in Agroforestry Systems includes a thesis corresponding to 30 ECTS. The topic of the thesis must be within the academic scope of the programme and the thesis must be carried out in accordance with the rules defined by the host university.

6.6 Specialisation 2: Tropical Forest Management (Dresden University of Technology)

The specialisation is set at 60 ECTS and consists of the following:

- Compulsory subject elements, 30 ECTS
- Thesis, 30 ECTS

6.6.1 Compulsory courses (Dresden University of Technology)

All of the following subject elements are to be covered (30 ECTS):

| | |
|---|---------|
| • Management Systems in Natural Forest of the Tropics | 5 ECTS |
| • Management Systems in Forest Plantations of the Tropics | 5 ECTS |
| • Urban Tree Management in the Tropics | 5 ECTS |
| • Integrated Land Use Management at Landscape Scale | 5 ECTS |
| • Scientific Working Methods and Research Plan | 10 ECTS |

6.6.2 Thesis

The MSc Programme in Sustainable Tropical Forestry with a specialisation in Tropical Forest Management includes a thesis corresponding to 30 ECTS. The topic of the thesis must be within the academic scope of the programme and the thesis must be carried out in accordance with the rules defined by the host university.

6.7 Specialisation 2: Environmental Management and Politics for Tropical Forests (AgroParisTech)

The specialisation is set at 60 ECTS and consists of the following:

- Compulsory subject elements, 30 ECTS
- Thesis, 30 ECTS

6.7.1 Compulsory subject elements (AgroParisTech)

All of the following subject elements are to be covered (30 ECTS*):

| | |
|---|---------|
| • Tropical Forest Ecology, Biodiversity and Global Change | 30 ECTS |
| • Silviculture, Agroforestry and Forest Management | |
| • Human Sciences for the Management of Forests and Environment in International Context | |
| • Economics, Forest Policies and Environment in Developing Countries | |
| • Methodological Tools | |

* The ECTS weight of each course is determined by faculty on the basis of the profile of each individual student (typically from 3-7 ECTS per course).

6.7.2 Thesis

The MSc Programme in Sustainable Tropical Forestry with a specialisation in Environmental Management and Politics for Tropical Forests includes a thesis corresponding to 30 ECTS. The topic of the thesis must be within the academic scope of the programme and the thesis must be carried out in accordance with the rules defined by the host university.

6.8 Specialisation 2: Social and Environmental Responsibility in Tropical Forestry (University of Padova)

The specialisation is set at 60 ECTS and consists of the following:

- Compulsory subject elements, 30 ECTS
- Thesis, 30 ECTS

6.8.1 Compulsory subject elements (University of Padova)

All of the following subject elements are to be covered (30 ECTS*):

| | |
|--|--------|
| • Social Responsibility by Public and Private Organisations | 6 ECTS |
| • Environmental Economics for Tropical Forest Resources | 6 ECTS |
| • Societal Marketing: Forest Certification and Other Tools | 6 ECTS |
| • Forest Policies and Conflict Management in Tropical Forest | 6 ECTS |
| • Research Planning | 6 ECTS |

* The ECTS weight of each course is determined by faculty on the basis of the profile of each individual student (typically from 3-7 ECTS per course).

6.8.2 Thesis

The MSc Programme in Sustainable Tropical Forestry with a specialisation in Social and Environmental Responsibility in Tropical Forestry include a thesis corresponding to 30 ECTS. The topic of the thesis must be within the academic scope of the programme and the thesis must be carried out in accordance with the rules defined by the host university.

7 Exemptions

In exceptional circumstances, the study board may grant an exemption from the regulation on compulsory completion of the second year of study at one of four partner institutions: Bangor University (UK), Dresden University of Technology (GER), AgroParisTech, Montpellier (FRA) or University of Padova (ITA).

In exceptional circumstances, the study board may grant exemptions from the rules in the curriculum specified solely by the Faculty of Science.

8 Commencement etc.

8.1 Validity

This subject specific section of the curriculum applies to all students enrolled in the programme – see however Appendix 2.

8.2 Transfer

Students enrolled on previous curricula may be transferred to the new one as per the applicable transfer regulations or according to an individual credit transfer by the study board.

8.3 Amendments

The curriculum may be amended once a year so that any changes come into effect at the beginning of the academic year. Amendments must be proposed by the study board and approved by the Dean.

Notification about amendments that tighten the admission requirements for the programme will be published online at www.science.ku.dk one year before they come into effect.

If amendments are made to this curriculum, an interim arrangement may be added if necessary to allow students to complete their MSc Programme according to the amended curriculum.

Appendix 1 Tables

Tables are only shown for the stay at University of Copenhagen

Table – Specialisation 1: University of Copenhagen

| | Block 1 | Block 2 | Block 3 | Block 4 |
|----------|---------------------------------------|---|--------------------------------------|-----------------------------|
| 1st year | Elective | Applied Forest and Natural Resource Economics | Preparing Field Work in the Tropics | Climate Change and Forestry |
| | Tropical Forests, People and Policies | Elective | Sustainable Tropical Forestry School | Elective |
| 2nd year | Partner University | | | |



Compulsory



Elective

Abroad

The table illustrates the recommended academic progression. The student is allowed to plan an alternative progression at UCPH within the applicable rules.

Table – Specialisation 2: Forests and Livelihoods in Developing Countries University of Copenhagen

| | Block 1 | Block 2 | Block 3 | Block 4 |
|----------|-------------------------------------|--------------------------------------|---------|---------|
| 1st year | Partner University | | | |
| 2nd year | Elective | Participatory Forest Management | Thesis | |
| | Planning Interdisciplinary Research | Livelihoods and Environmental Change | | |



Compulsory



Abroad

Elective

The table illustrates the recommended academic progression. The student is allowed to plan an alternative progression at UCPH within the applicable rules.

Appendix 2 Interim arrangements

There are currently no interim arrangements to this curriculum.

Appendix 3 Description of objectives for the thesis

After completing the MSc thesis at the University of Copenhagen, the student should have:

Knowledge about:

- Scientific problems within the study programme's subject areas, as related to the thesis topic.
- A suitable combination of methodologies/theories based on international research, as relevant to the thesis problem formulation.
- Theories/models, as relevant to the thesis topic.

Skills in/to:

- Apply and critically evaluate theories/methodologies, including their applicability and limitations.
- Assess the extent to which the production and interpretation of findings/material depend on the theory/methodology chosen and the delimitation chosen.
- Discuss academic issues arising from the thesis.
- Draw conclusions in a clear and academic manner in relation to the problem formulation and, more generally, considering the topic and the subject area.
- Discuss and communicate the academic and social significance, if any, of the thesis based on ethical principles.

If the thesis includes experimental content/own data production, the student will also be able to:

- Substantiate the idea of conducting experimental work/producing own data in order to shed light on the topic as formulated in the problem formulation.
- Process data through a choice of academic analysis methods and present findings objectively and in a concise manner.
- Assess the credibility of own findings based on relevant data processing.

Competences in/to:

- Initiate and perform academic work in a research context.
- Solve complex problems and carry out development assignments in a work context.