



Programme-specific Section of the Curriculum for the MSc Programme in Forest and Nature Management at the Faculty of Science, University of Copenhagen 2012 (Rev. 2024)

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1 Title, affiliation and Language

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

1.1 Title

The MSc Programme in Forest and Nature Management leads to a Master of Science (MSc) in Forest and Nature Management with the Danish title: *Cand.silv. (candidatus/candidata silvinomiae)*.

1.2 Affiliation

The programme is affiliated with the Study Board of Natural Resources, Environment and Animal Science, 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.

2 Academic profile

2.1 Purpose

The purpose of the programme is to provide graduates scientific methods and practical skills to sustainably manage forest and nature at all scales. Graduates qualify to shape and manage the human use of forests and nature areas in a professional and balanced way, thus bridging across a variety of scientific disciplines and management objectives. Graduates will integrate knowledge across natural and social sciences and plan for sustainable use of forest and nature areas, as they occur in a social, political and economic context, e.g.:

- Forests for commercial production of timber, hunting and other green benefits as well as nature conservation and recreation.
- Nature areas, landscapes or national parks aimed for biodiversity protection, outdoor recreation and commercial benefits, e.g., tourism and outfitting.
- Green areas in urban contexts dedicated public purposes like recreation, nature interpretation, events and tourism.

Striking a sustainable balance between ecological concerns, economic concerns at business level, as well as societal concerns while managing forests and natural resources in a long-term perspective – is at the core of the Forest and Nature Management Programme. The predominant methods are those of integrative social/ecological planning and economic/financial optimization. The typical future of the graduate is that of a planner and implementing player in public/private organization operating within the frames given by society. The ultimate purpose is to give graduates access to national and international jobs in the private (e.g., companies, consultancies, estates) and public sectors (international organizations, ministries, public agencies, municipalities), within a broad range of professional fields: policy, planning, management, trade, research, development, education, training, international work, foreign aid, stakeholder involvement and multiparty negotiation. A key competence of our graduates should be, that they have a comprehensive understanding of what sustainable management of forest and natural resources imply – as seen in an intergenerational perspective. These competencies develop quite natural as we work with trees and forest ecosystems, which indeed is a transdisciplinary and long-term endeavor.

2.2 General programme profile

The programme takes the student to the heart of sustainability, balancing human needs against the proper functioning of ecosystems. The profile takes departure in the core dimensions of sustainability and gives them a twist of planning and management: 1) The basis is a thorough understanding of the function, productive capacity and sustainability of biological systems; 2) Proper planning of forest and nature requires knowledge of economics, financial optimization, and effective tools to assess a complex social and political context of competing interests; 3) Effective management of ecosystems in a social context requires special competences and tools to handle ‘the human dimension’, including negotiation/conflict management skills and knowledge about change, innovation, process design and project management. This broad foundation enables the graduate to develop sustainable solutions, realistically shaped for effective and responsible implementation in a complex world of conflicting goals and interests.

The programme stimulates strategic and creative thinking and takes a long-time perspective, in which future consequences of present actions are taken into account. Land use policy and utilization of forest and nature must be responsive to economic conditions, public opinions, political developments and human needs of society, at all times. Because of the long time perspective of forests and nature management, *sustainability* naturally becomes the overall guiding concept. Thus guided, the graduates gain knowledge about relevant theories and tools to apply on real life cases and in the experimental study forest. Our profile promotes strategic planning and management that connects theory and practice to safeguard real life impact.

Forest ecology, semi-natural ecosystems, applied resource economics, sampling and modelling, conflict management, interdisciplinary (social/ecological) integration, sustainable planning and management of forest and nature in a social context are the key subject areas of the programme.

2.3 General structure of the programme

The MSc Programme is set at 120 ECTS.

There are no defined specialisations in this programme.

2.4 Career opportunities

The MSc Programme in Forest and Nature Management qualifies students to become professionals within business functions and/or areas such as:

- A PhD programme
- Public sector: Policy making, law, administration and management of forest and natural resources, in municipalities, ministries and governmental agencies
- Private sector: Forest, nature and environmental advisors, consultancies and investment; wood and furniture industry and trade; forest, nature and other private land management.
- Research, development, education, teaching and training in public or private sector.
- General management, planning, project management, consultancy or product development or certification in public or private sector.
- International work: Planning, administration, negotiation, research, foreign aid, trade and project management related to Danish foreign policy (e.g., DANIDA, Danish Embassies and ministries), international organizations (e.g. UN, EU, WTO, EFI, CIFOR) or non-governmental organisations (NGO’s such as IUCN, ITTO, WWF or Greenpeace).

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

Graduates holding an MSc in Forest and Nature Management have acquired the following regardless of the chosen specialisation:

Knowledge about:

- A comprehensive and deep understanding of the concept of sustainability, regarding the use of forests and nature for human purposes, deeply held values and ethical concerns.
- The structure, development and variation of ecosystems and understanding of causes and effects, in a scientific perspective.
- Possibilities/limitations and ecological tolerance in relation to people's utilisation of forests and nature.
- Principles of sustainable utilisation, protection and stewardship of forests and other semi-natural areas.
- Economic theory and planning tools utilised in the economic management of forests and nature.
- Societal and commercial consequences of legislation, regulations and principles of operation of forests and nature, in national and international contexts.
- Key theories and methodologies for management, planning, negotiation and conflict management on the basis of the opinions, interests, ethics and deeply values of people. Ability to reformulate theories, principles and research findings to independently form hypotheses and theories.

Skills in/to:

- Develop, quantify and apply theoretical and practical models for the productive functions of forests and natural resources – material as well as immaterial.
- Apply economic theory and utilize planning tools to analyse and model the welfare and business economic value production of forests and natural resources.
- Assess the possibilities and limitations of theories and methodologies.
- Develop long-term strategies, operational targets and concrete plans for sustainable utilization and protection of forests and other green resources while bearing in mind social, ecological and economic objectives and limitations.
- Practice economic, dynamic and holistic management planning.
- Formulate, plan and implement projects.
- Incorporate negotiation and conflict resolution strategies and models in the role as manager, consultant or facilitator.
- Communicate professional problems and solutions – both orally and in writing – to different target groups.

Competences in/to:

- Turn demands on our natural surroundings into concrete actions and projects based on a natural science foundation.
- Transfer theories and principles to new situations and assume independent and professional responsibility.
- Manage operations and development tasks in the framework set out by society (legislation, regulations and realities).
- Design decision-making, negotiation and collaboration processes that bear in mind the power and interests and values of the players. Lead and manage such processes based

on ethical concerns and knowledge about human interactions in relation to negotiation and conflict.

- Collaborate constructively with others in interdisciplinary and intercultural contexts.
- Independently evaluate and structure own learning processes and assume responsibility for own professional development with a view to life-long learning.

4 Admission requirements

4.1 Bachelor's degrees that automatically fulfil the academic requirements

Applicants with one of the following Bachelor's degrees automatically fulfil the academic requirements for admission to the MSc Programme in Forest and Nature Management:

- Natural Resources (*naturressourcer*) with the specialisation in Nature Management from University of Copenhagen (reserved access)
- Natural Resources (*naturressourcer*) with the specialisation in Environmental Science from University of Copenhagen
- Natural Resources (*naturressourcer*) with the specialisation in Environmental Economics from University of Copenhagen
- Forest and Landscape Engineering (*skov- og landskabsingeniør*) from University of Copenhagen

4.2 Other Bachelor's degrees

Applicants with a Bachelor's degree, Professional Bachelor's degree or equivalent from Danish or international universities other than those listed in 4.1 are qualified for admission to the MSc Programme in Forest and Nature Management if the programme includes the following:

- A minimum of 7.5 ECTS within at least two of the following three broadly defined dimensions of sustainability:
 - 1) **Ecology/Biology:** Competence/knowledge about the structure and function of forests and/or other ecosystems, e.g., within academic areas such as botany, zoology, population/community ecology, systems ecology, plant physiology, cytology, soil science and biogeochemistry
 - 2) **Economics/statistics:** Competence/knowledge about mathematics/statistics and/or the financial way of thinking, economic theory at macro and/or micro level or about business, organisation and management
 - 3) **Social science/law/planning:** Competence/knowledge about society, people, planning and regulation, e.g., within academic areas such as political science, law, physical planning, human geography, sociology, anthropology, development studies or social psychology.

4.3 Other applicants

The Faculty may also admit applicants who, after an individual academic assessment, are assessed to possess educational qualifications equivalent to those required in Subclauses 4.1-2.

4.4 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.

4.5 Supplementary subject elements

The qualifications of an applicant to the MSc programme 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 programme cannot be included in the overall assessment.

However, subject elements passed before the completion of the Bachelor's programme 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 Bachelor's programme which are to form part of the MSc programme to which the student has a legal right of admission (§15-courses) cannot be included in the overall assessment.

5 Prioritisation of applicants

With a Bachelor's degree in Natural Resources with the specialisation in Nature Management from University of Copenhagen the student is granted reserved access and guaranteed a place on the MSc Programme in Forest and Nature Management if the student applies in time to begin the MSc Programme within three years of the completion of the Bachelor's degree.

If the number of qualified applicants to the programme exceeds the number of places available, applicants will be prioritised according to the following criteria:

- Total number of ECTS in relevant courses*
- Grade-point average achieved in qualifying degree.

*Relevant courses include courses in the following:

- Ecology/biology: Competence/knowledge about the structure and function of forests and/or other ecosystems, e.g., within academic areas such as botany, zoology, population/community ecology, systems ecology, plant physiology, cytology, soil science and biogeochemistry
- Economics/statistics: Competence/knowledge about mathematics/statistics and/or the financial way of thinking, economic theory at macro and/or micro level or about business, organisation and management
- Social science/law/planning: Competence/knowledge about society, people, planning and regulation, e.g., within academic areas such as political science, law, physical planning, human geography, sociology, anthropology, development studies or social psychology.

6 Structure of the programme

The compulsory subject elements, restricted elective subject elements and the thesis constitute the central parts of the programme (Section 30 of the Ministerial Order on Bachelor and Master's Programmes (Candidatus) at Universities).

6.1 Programme components

The programme is set at 120 ECTS and consists of the following:

- Compulsory subject elements, 52.5 ECTS.
- Restricted elective subject elements
 - 22.5 ECTS (thesis 30 ECTS)

- 7.5 ECTS (thesis 45 ECTS)
- Elective subject elements, 15 ECTS.
- Thesis, 30 or 45 ECTS.

6.1.1 Compulsory subject elements

All of the following subject elements are to be covered (52.5 ECTS):			
Course Code	Course Title	Block	ECTS
NIGK21036U	Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems	Block 1	15 ECTS
LOJK10282U	Applied Economics of Forest and Nature	Block 2	7.5 ECTS
LFKK10265U	Conflict Management	Block 2	7.5 ECTS
LTEK10157U	Natural Resource Sampling and Modelling	Block 3	7.5 ECTS
LNAK10098U	Forest and Nature Management Planning	Block 4	15 ECTS

6.1.2 Restricted elective subject elements

1) 7.5 ECTS are to be covered as subject elements from the following list			
Course Code	Course Title	Block	ECTS
LOJK10272U	Applied Econometrics	Block 1	7.5 ECTS
LOJK10229U	Natural Resource Economics	Block 2	7.5 ECTS
NIFK16005U	Advanced Development Economics	Block 2	7.5 ECTS
LFKK10278U	Project Management	Block 3	7.5 ECTS
NIFK14032U	Business Development and Innovation	Block 3	7.5 ECTS
NIFK13006U	The Economics of Climate Change	Block 3	7.5 ECTS
LOJK10248U	Economic Valuation Methods and Cost-Benefit Analysis	Block 3	7.5 ECTS
	Project outside the Course Scope	Block 1-5	7.5 ECTS

2) 15 ECTS are to be covered as subject elements from the following list (thesis, 30 ECTS)			
2) 0 ECTS are to be covered as subject elements from the following list (thesis, 45 ECTS)			
Course Code	Course Title	Block	ECTS
NIGK14007U	Tree Biology and Arboriculture	Block 1	7.5 ECTS
NIFK16002U	Ethics, Environment and Society	Block 1	7.5 ECTS
NIFK22002U	Global Forests and People	Block 1	7.5 ECTS
LNAK10037U	Applied Ethnobotany	Block 1	7.5 ECTS
LNAK10099U	Biodiversity in Urban Nature	Block 1	7.5 ECTS
NIFK14031U	Behavioral and Experimental Economics	Block 1	7.5 ECTS
NIFK18001U	Planning Interdisciplinary Research	Block 1	7.5 ECTS
NIGK18000U	Biodiversity in Managed Forests	Block 1	7,5 ECTS
NIFK24001U	Climate and Society	Block 1+2	15 ECTS
LNAK10052U	Silviculture of Temperate Forests	Block 2	7.5 ECTS
NIGK21037U	Biorefinery – From Plants to Bioenergy, Biochemicals, Biomaterials, and High Value Products	Block 2	7.5 ECTS
NIFK16006U	Participatory Natural Resource Governance	Block 2	7.5 ECTS
NBIK12003U	Conservation Biology	Block 2	7.5 ECTS
NIGK13007U	Ecosystem Services from Forests and Nature	Block 2	7.5 ECTS
NIFK14029U	Motivation and Pro-Environmental Behavior - Managing Change	Block 3	7.5 ECTS
LNAK10072U	Global Environmental Governance	Block 3	7.5 ECTS
NIGK17018U	Feltkursus i naturforvaltning	Block 5	7.5 ECTS
	Project in Practice	Block 1-5	15 ECTS
	Project outside the Course Scope	Block 1-5	7.5 ECTS

6.2.2 Elective subject elements

15 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.
- Projects. See 6.2.3 Projects.

6.2.3 Projects

Projects outside the Course Scope, Projects in Practice and Thesis Preparation Projects may not exceed 45 ECTS of the programme.

- Projects outside the course scope may be included in the elective and restricted elective section of the programme with 7.5 ECTS. Projects outside the course scope may not exceed 15 ECTS in total of the programme. Projects outside course scope may be written as a combination of the restricted elective and elective section of the programme. The regulations are described in Appendix 5 to the shared section of the curriculum.
- Projects in practice may be included in the elective or restricted elective section of the programme with 15 ECTS. Projects in practice may not exceed 15 ECTS in total of the programme. Project in practice may be written as a combination of the restricted elective and elective section of the programme. The regulations are described in Appendix 4 to the shared section of the curriculum.
- Thesis Preparation Projects may be included in the elective section of the programme with up to 7.5 ECTS. The regulations are described in Appendix 6 to the shared section of the curriculum.

6.2.4 Thesis

The MSc Programme in Forest and Nature Management includes a thesis corresponding to 30 or 45 ECTS as described in Appendix 2 to the shared curriculum. The thesis must be within the academic scope of the programme.

6.2.5 Academic mobility

The curriculum makes it possible to follow subject elements outside the Faculty of Science.

For students admitted in September the academic mobility in the MSc Programme in Forest and Nature Management is placed in block 1+2 of the 2nd year (thesis 30 ECTS).

For students admitted in February the academic mobility in the MSc Programme in Forest and Nature Management is placed in block 3+4 of the 1st year (thesis 30 ECTS).

Academic mobility requires that the student follows the rules and regulations regarding pre-approval and credit transfer.

In addition, the student has the possibility to arrange similar academic mobility in other parts of the programme.

7 Exemptions

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 The recommended academic progression

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

Tables for students admitted to the programme in September (summer):

Table - General profile in Forest and Nature Management (thesis 30 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems	Conflict Management	Natural Resource Sampling and Modelling	Forest and Nature Management Planning
		Applied Economics of Forest and Nature	Restricted elective	
2nd year	Restricted elective	Restricted elective	Thesis	
	Elective	Elective		

Table - General profile in Forest and Nature Management (thesis 45 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems	Conflict Management	Natural Resource Sampling and Modelling	Forest and Nature Management Planning
		Applied Economics of Forest and Nature	Restricted elective	
2nd year	Elective	Thesis		
	Elective			

Tables for students admitted to the programme in February (winter):

Table - General profile in Forest and Nature Management (thesis 30 ECTS)*

	Block 3	Block 4	Block 1	Block 2
1st year	Restricted elective	Restricted elective	Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems	Conflict Management
	Elective	Elective		Applied Economics of Forest and Nature
2nd year	Natural Resource Sampling and Modeling	Forest and Nature Management Planning	Thesis	
	Restricted elective			

*This table is only relevant for students who begin the MSc Programme in February (block 3)

Table - General profile in Forest and Nature Management (thesis 45 ECTS)*

	Block 3	Block 4	Block 1	Block 2
1st year	Natural Resource Sampling and Modeling	Forest and Nature Management Planning	Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems	Conflict Management
	Restricted elective			Applied Economics of Forest and Nature
2nd year	Elective	Thesis		
	Elective			

*This table is only relevant for students who begin the MSc Programme in February (block 3)

Appendix 2 Interim arrangement

The Shared Section of the BSc and MSc Curricula for Study Programmes applies to all students.

The interim arrangements below only consist of parts where the current curriculum differs from the rules and regulations that were previously valid. Therefore, if information about relevant rules and regulations are missing, it can be found in the curriculum above.

1 General changes for students admitted in the academic year 2023/24

Students admitted to the MSc Programme in the academic year 2023/24 must finish the programme as listed in the curriculum above with the following exceptions.

Restricted elective subject elements

1) 7.5 ECTS are to be covered as subject elements from the following list

Restricted elective subject elements offered as part of this curriculum (see above)			
NIFK13008U	Sustainable Forest and Nature Management	Block 5	7.5 ECTS

2) 15 ECTS are to be covered as subject elements from the following list (thesis, 30 ECTS)

2) 0 ECTS are to be covered as subject elements from the following list (thesis, 45 ECTS)

Restricted elective subject elements offered as part of list 2 in this curriculum (see above)			
NIFK17002U	Conflict Analysis and Negotiation Design	Discontinued*	7,5 ECTS
LNAK10069U	Climate Change Impacts, Adaptation and Mitigation	Discontinued*	15 ECTS

*See discontinued courses below

2 General changes for students admitted in the academic year 2022/23

Students admitted to the MSc Programme in the academic year 2022/23 must finish the programme as listed in the curriculum above with the following exceptions.

Restricted elective subject elements

1) 7.5 ECTS are to be covered as subject elements from the following list

Restricted elective subject elements offered as part of this curriculum (see above)			
NIFK13008U	Sustainable Forest and Nature Management	Block 5	7.5 ECTS

2) 15 ECTS are to be covered as subject elements from the following list (thesis, 30 ECTS)

2) 0 ECTS are to be covered as subject elements from the following list (thesis, 45 ECTS)

Restricted elective subject elements offered as part of list 2 in this curriculum (see above)			
NIFK14037U	Climate Change and Forestry: Monitoring and Policies	Discontinued*	7.5 ECTS
NIFK17002U	Conflict Analysis and Negotiation Design	Discontinued*	7,5 ECTS
LNAK10069U	Climate Change Impacts, Adaptation and Mitigation	Discontinued*	15 ECTS

*See discontinued courses below

3 General changes for students admitted in the academic year 2021/22

Students admitted to the MSc Programme in the academic year 2021/22 must finish the programme as listed in the curriculum above with the following exceptions.

Restricted elective subject elements

1) 7.5 ECTS are to be covered as subject elements from the following list

Restricted elective subject elements offered as part of this curriculum (see above)			
NIFK13008U	Sustainable Forest and Nature Management	Block 5	7.5 ECTS

2) 15 ECTS are to be covered as subject elements from the following list (thesis, 30 ECTS)

2) 0 ECTS are to be covered as subject elements from the following list (thesis, 45 ECTS)

Restricted elective subject elements offered as part of list 2 in this curriculum (see above)			
NIFK14013U	Tropical Forests, People and Policies	Discontinued*	7.5 ECTS
NPLK14011U	Tropical Botany B	Discontinued*	7.5 ECTS
NIFK14037U	Climate Change and Forestry: Monitoring and Policies	Discontinued*	7.5 ECTS
NIFK17002U	Conflict Analysis and Negotiation Design	Discontinued*	7,5 ECTS
LNAK10069U	Climate Change Impacts, Adaptation and Mitigation	Discontinued*	15 ECTS

*See discontinued courses below

4 General changes for students admitted in the academic year 2020/21

Students admitted to the MSc Programme in the academic year 2020/21 must finish the programme as listed in the curriculum above with the following exceptions.

Table - General profile in Forest and Nature Management (thesis 30 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	<i>Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems</i>	Conflict Management	Natural Resource Sampling and Modelling	Forest and Nature Management Planning
		Applied Economics of Forest and Nature	Restricted elective	
2nd year	Restricted elective	Restricted elective	Thesis	
	Elective	Elective		

Subject elements in italics have been discontinued. See discontinued courses below.

Table - General profile in Forest and Nature Management (thesis 45 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	<i>Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems</i>	Conflict Management	Natural Resource Sampling and Modelling	Forest and Nature Management Planning
		Applied Economics of Forest and Nature	Restricted elective	
2nd year	Elective	Thesis		
	Elective			

Subject elements in italics have been discontinued. See discontinued courses below.

Table - General profile in Forest and Nature Management (thesis 30 ECTS)*

	Block 3	Block 4	Block 1	Block 2
1st year	Restricted elective	Restricted elective	<i>Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems</i>	Conflict Management
	Elective	Elective		Applied Economics of Forest and Nature
2nd year	Natural Resource Sampling and Modeling	Forest and Nature Management Planning	Thesis	
	Restricted elective			

Subject elements in italics have been discontinued. See discontinued courses below.

*This table is only relevant for students who begin the MSc Programme in February (block 3)

Table - General profile in Forest and Nature Management (thesis 45 ECTS*

	Block 3	Block 4	Block 1	Block 2
1st year	Natural Resource Sampling and Modeling	Forest and Nature Management Planning	<i>Thematic Course: Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems</i>	Conflict Management
	Restricted elective			Applied Economics of Forest and Nature
2nd year	Elective	Thesis		
	Elective			

Subject elements in italics have been discontinued. See discontinued courses below.

*This table is only relevant for students who begin the MSc Programme in February (block 3)

Restricted elective subject elements

1) 7.5 ECTS are to be covered as subject elements from the following list

Restricted elective subject elements offered as part of this curriculum (see above)			
NIFK13008U	Sustainable Forest and Nature Management	Block 5	7.5 ECTS

2) 15 ECTS are to be covered as subject elements from the following list (thesis, 30 ECTS)

2) 0 ECTS are to be covered as subject elements from the following list (thesis, 45 ECTS)

Restricted elective subject elements offered as part of list 2 in this curriculum (see above)			
LPLK10360U	From Plants to Bioenergy	Discontinued*	7.5 ECTS
NIFK14013U	Tropical Forests, People and Policies	Discontinued*	7.5 ECTS
NPLK14011U	Tropical Botany B	Discontinued*	7.5 ECTS
NIFK14037U	Climate Change and Forestry: Monitoring and Policies	Discontinued*	7.5 ECTS
NIFK17002U	Conflict Analysis and Negotiation Design	Discontinued*	7.5 ECTS
LNAK10069U	Climate Change Impacts, Adaptation and Mitigation	Discontinued*	15 ECTS

*See discontinued courses below

5 Discontinued courses

Course Code	Course Title	ECTS	Interim arrangement
NIFK14037U	Climate Change and Forestry: Monitoring and Policies	7.5	The course was restricted elective in the academic year 2022/23 and earlier. Offered for the last time: 2022/23 Last exam if applicable (cf. SCIENCE's Teaching and exam rules): 2023/24
LNAK10069U	Climate Change Impacts, Adaptation and Mitigation	15	The course was restricted elective in the academic year 2023/24 and earlier. Offered for the last time: 2023/24 Last exam if applicable (cf. SCIENCE's Teaching and exam rules): 2024/25
NIFK17002U	Conflict Analysis and Negotiation Design	7.5	The course was restricted elective in the academic year 2023/24 and earlier. Offered for the last time: 2023/24 Last exam if applicable (cf. SCIENCE's Teaching and exam rules): 2024/25.
LPLK10360	From Plants to Bioenergy	7.5	The course was restricted elective in the academic year 2020/21 and earlier. Offered for the last time: 2020/21 The course is identical to NIGK21037U Biorefinery – From Plants to Bioenergy, Biochemicals, Biomaterials, and High Value Products
LNAK10064U	Thematic Course: Ecology and Management of Forests and other semi-natural Terrestrial Ecosystems	7.5	The course was a compulsory course in the academic year 2020/21 and earlier. Offered for the last time: 2020/21 The course is identical to NIGK21036U Thematic Course: Ecology and Management of Forests and other semi-natural Terrestrial Ecosystems.
NPLK14011U	Tropical Botany B	7.5	The course was restricted elective in the academic year 2021/22 and earlier. Offered for the last time: 2021/22 Last exam if applicable (cf. SCIENCE's Teaching and exam rules): 2022/23.
NIFK14013U	Tropical Forests, People and Policies	7.5	The course was restricted elective in the academic year 2021/22 and earlier. Offered for the last time: 2021/22 The course is identical to NIFK22002U Global Forests and People.

Appendix 3 Description of objectives for the thesis

After completing the thesis, the student should have:

Knowledge about:

- Identification and formulation of scientific problems within the study programme's subject areas.
- Identification of suitable combination of methodology and theory based on international research for use in his/her work with the problem formulation.

Skills in/to:

- Apply and critically evaluate theories/methodologies, including their applicability and limitations, on the basis of an organised value system and with a high degree of independence.
- 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:

- Initiation and performing academic work in a research context.
- Solving complex problems and carry out development assignments in a work context.