



Programme-specific Section of the Curriculum for the MSc Programme in Agricultural Development at the Faculty of Science, University of Copenhagen 2012 (Rev. 2018)

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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 Agricultural Development with a specialisation in Agriculture and Ecology leads to a Master of Science (MSc) in Agricultural Development with a specialisation in Agriculture and Ecology with the Danish title: *Cand.scient. (candidatus/candidata scientiarum) i naturressourcer og udvikling med en specialisering i natur/biovidenskabelige aspekter.*

The MSc programme in Agricultural Development with a specialisation in Livelihoods and Governance leads to a Master of Science (MSc) in Agricultural Development with a specialisation in Livelihoods and Governance with the Danish title: *Cand.scient. (candidatus/candidata scientiarum) i naturressourcer og udvikling med en specialisering i integrerede samfunds- og miljøorienterede aspekter.*

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

As graduates will face a great variety of situations in their professional lives, the general aim of the MSc Programme in Agricultural Development is to enable students to identify the critical aspects of professional situations within natural resource management within food, fibre, feed and fuel production in developing and transitional countries and to be able to describe the patterns characterising these situations.

The aim is to give participants the scientific knowledge and skills required to implement and manage research or advisory activities related to agricultural production, economics, environment, and human nutrition and food science in a development context. Students are encouraged through interdisciplinary, multicultural real life experiences to see the whole context of the systems encountered.

2.2 General programme profile

The MSc Programme in Agricultural Development encompasses all critical aspects of agriculturally related development activities, from soil fertility management to rural livelihood strategies. The learning approach is a combination of field-related experiences, teaching in traditions and methods related to data collection in complex real life situations, and discipline-based specialisations.

The MSc Programme in Agricultural Development is a combination of:

- An interdisciplinary field-oriented common part which includes training in techniques for gathering data under a variety of field conditions combined with training in the research process.
- An elective part which facilitates specialisation.
- The thesis, which includes fieldwork in the setting of a developing country.

Agricultural Development is the key subject area of the programme.

2.3 General structure of the programme

The MSc Programme is set at 120 ECTS.

The MSc Programme in Agricultural Development consists of the following elements:

- Specialisation 120 ECTS.

The student must choose one of the following specialisations:

- Agriculture and Ecology
- Livelihoods and Governance

2.4 Career opportunities

The MSc Programme in Agricultural Development qualifies students to become professionals within business functions and/or areas such as:

- A PhD programme
- Universities and research institutions where graduates are involved in research.
- Development agencies (public or NGO) with national and international scope where graduates are involved in developing, implementing, managing and monitoring development programs or projects.
- Government bodies where graduates are involved in policy related activities.
- Private companies within food and agro-industry dealing with third world products or issues.
- Consultancy and project design and evaluation.

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

On completion of the programme a MSc in Agricultural Development has acquired the following regardless of the chosen specialisation:

Knowledge about:

- An overview of key theories and current debates related to agriculture, ecology, livelihoods, and governance
- An understanding of the relationship between development theory and practice
- An overview of key field data collection methods (both natural and social science methods)
- The values of scholarship: inquiry, reflection, integrity, open-mindedness, evidence-based thinking, and collegiality.

Skills in/to:

- Apply and assess own knowledge, skills, and competences in relation to complex, interdisciplinary problems
- Work in interdisciplinary and intercultural groups
- Apply selected methods in the field
- Analyse the validity and reliability of different types of natural and social science data
- Explore, understand, and challenge own disciplinary boundaries
- Apply intellectual, practical, numeracy, communication, information and communication technology, interpersonal/teamwork, self-management and professional development skills

Competences in/to:

- Critically reflect on and discuss approaches to development questions related to agriculture, ecology, livelihoods, and governance
- Reflect on the benefits and challenges related to Practising interdisciplinarity
- Reflect on case-level results and generalize these to broader discussions and issues

3.2 Agriculture and Ecology

On completion of the programme, an MSc in Agricultural Development with a specialisation in Agriculture and Ecology has acquired the following competence profile:

Knowledge about:

- Current research and advanced theories in relation to agriculture and sustainable use of natural resources in the Global South and countries with economies in transition.
- The most important natural science approaches to analysing agriculture and ecology
- The theoretical basis of qualitative and quantitative data collection methodology, including interviews, questionnaires, surveys, and rapid appraisal techniques.
- Critical aspects of working at the agriculture, environment, and development nexus.

Skills in/to:

- Apply relevant project planning, data collection, and evaluation methodologies in complex field settings and in research planning.
- Participate in academic and practical discussions on agricultural development and the environment.
- Critically identify sustainability issues in relation to natural resource management.
- Identify, analyse and communicate a research question from a complex setting to broader audiences, both professionals and non-professionals, at a variety of levels, using modern and appropriate information and communication tools.

Competences in/to:

- Plan and implement agricultural interventions as a professional capacity in private sector companies, government bodies, non-governmental organisations, research institutions, or development agencies.
- Display independence and integrity, as well as awareness of ethical and moral questions related to agriculture and ecology and take these into account when working in different cultural settings.
- Continuously acquire new skills and knowledge when working in complex field settings as well as in interdisciplinary teams in intercultural environments.

3.3 Livelihoods and Governance

On completion of the programme, an MSc in Agricultural Development with a specialisation in Livelihoods and Governance has acquired the following competence profile:

Knowledge about:

- Social science theories and concepts related to analysing and understanding challenges at the nexus of agriculture, livelihoods, and governance at local and household levels.
- A philosophy of science basis for interdisciplinary and intercultural research and work across the social and natural sciences.
- Critical aspects of working at the agriculture, environment, and development nexus

Skills in/to:

- Undertake high quality quantitative and qualitative data collection on local livelihoods, governance, and environments.
- Analyse and interpret different forms of data to generate consistent conclusions.
- Apply principles, theories, and frameworks to case studies and critically engage in research and debates related to local development and environmental resource governance.

Competences in/to:

- Display the competence, key skills, behaviour and attitudes required in a professional working life, including the ability to work in interdisciplinary and intercultural teams in both the private and public sectors.
- Communicate clearly, concisely and confidently in spoken and written format, including field-based reports to meet the objectives of multitudinous stakeholders.
- Develop the independent learning skills necessary for the foundation of lifelong learning.

4 Admission requirements

There is no BSc Programme with reserved access for this programme.

4.1 Applicants with a closely related Bachelor's degree

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

- Agricultural Economics, Animal Science, Anthropology, Biochemistry, Biology, Biology-Biotechnology, Economics, Food and Nutrition, Geography and Geoinformatics, Landscape Architecture, Natural Resources, Sociology or within the field of social science from the University of Copenhagen.
- Agrobiology, Agriculture, Agricultural Economics, Animal Science, Anthropology, Biochemistry, Biology, Biotechnology, Development Studies, Economics, Environmental Science, Food Science, Forestry, Nutrition, Geography, Landscape Architecture, Natural Resources, Natural Science, Rural Development, Sociology or within the field of social science from other Danish or international universities.
- Professional Bachelor's degree in Forestry and Landscape Engineering from the University of Copenhagen.

4.2 Applicants with a Bachelor's degree in Global Nutrition and Health

Applicants with a Bachelor's degree in Global Nutrition and Health from Metropolitan University College or VIA University College in Denmark may also be admitted if their programme includes the following:

- Elective course, Internship and Bachelor project with an orientation towards natural science and development perspectives.

4.3 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 Subclauses 4.1-3.

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 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 (§9-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) Applicants with a Bachelor's degree in Natural Resources from the University of Copenhagen.
- 2) Applicants with a Bachelor's degree in Agricultural Economics, Animal Science, Biochemistry, Biology, Biology-Biotechnology, Food and Nutrition, Geography and Geoinformatics, Landscape Architecture or a Professional Bachelor's degree in Forestry and Landscape Engineering from University of Copenhagen.
- 3) Applicants with a Bachelor's degree in Agricultural Economics, Animal Science, Agrobiology, Biochemistry, Biology, Biology-Biotechnology, Biotechnology, Food and Nutrition, Food Science, Nutrition, Geography and Geoinformatics, Geography, Landscape Architecture or a Professional Bachelor's degree in Forestry and Landscape Engineering from other Danish or international universities.
- 4) Applicants with a Bachelor's degree in Global Nutrition and Health from Metropolitan University College or VIA University College.
- 5) Applicants with a Bachelor's degree within the areas of agriculture, development studies, environmental science, rural development or similar.
- 6) Applicants with a Bachelor's degree within the area of anthropology.
- 7) Other 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 prioritized order):

- Relevance of their study program, including elective courses and project work, defined as ECTS within the subject area agricultural development.

6 Structure of the programme

The compulsory subject elements, restricted 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).

6.1 Agriculture and Ecology

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

- Compulsory subject elements, 30 ECTS.
- Restricted elective subject elements, 30 ECTS.
- Elective subject elements
 - 30 ECTS (thesis, 30 ECTS)
 - 15 ECTS (thesis, 45 ECTS)
- Thesis, 30 or 45 ECTS.

6.1.1 Compulsory subject elements

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

• NIFK18000U	Practising Interdisciplinarity	Block 1+2	15 ECTS
• NIFK18003U	Thematic Course: Interdisciplinary Land Use and Natural Resource Management	Block 3	15 ECTS

6.1.2 Restricted elective subject elements

30 ECTS are to be covered as subject elements from the following list:

• NPLK14008U	Plant Infection and Disease Management	Block 1	7.5 ECTS
• LPLK10367U	Tropical Crop Production	Block 1	7.5 ECTS
• NPLK14019U	Plant Nutrition and Soil Fertility	Block 1	7.5 ECTS
• NIFK18001U	Planning Interdisciplinary Research	Block 1	7.5 ECTS
• LPLK10287U	Agroforestry	Block 2	7.5 ECTS
• NPLK14020U	Sustainable Agricultural Development Pathways	Block 2	7.5 ECTS
• NPLK18001U	Applied Insect Ecology and Biological Control	Block 2	7.5 ECTS
• NPLK14011U	Tropical Botany B	Block 2	7.5 ECTS
• NMAK14003U	Applied Statistics	Block 2	7.5 ECTS
• NIGK13003U	Tropical Forest Restoration	Block 4	7.5 ECTS
• LNAK10010U	Environmental Impact Assessment	Block 4	7.5 ECTS

6.1.3 Elective subject elements

15 or 30 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 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.

6.1.4 Thesis

The MSc Programme in Agricultural Development with a specialisation in Agriculture and Ecology includes a thesis corresponding to 30 or 45 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 the Global South or countries with economies in transition. Field work country must be approved by the Head of Studies. The data for the thesis are expected to be collected during this period. The fieldwork may be combined with an internship at international organisations, NGOs, universities, or similar.

Students will obtain financial support from the supervising department in connection with thesis fieldwork if funding criteria are met.

6.1.5 Academic mobility

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

The academic mobility in the MSc Programme in Agricultural Development with a specialisation in Agriculture and Ecology is placed in block 1+2 or block 3+4 of the 1st year.

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.

6.2 Livelihoods and Governance

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

- Compulsory subject elements, 30 ECTS.
- Restricted elective subject elements, 30 ECTS.
- Elective subject elements
 - 30 ECTS (thesis, 30 ECTS)
 - 15 ECTS (thesis, 45 ECTS)
- Thesis, 30 or 45 ECTS.

6.2.1 Compulsory subject elements

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

• NIFK18000U	Practising Interdisciplinarity	Block 1+2	15 ECTS
• NIFK18003U	Thematic Course: Interdisciplinary Land Use and Natural Resource Management	Block 3	15 ECTS

6.2.2 Restricted elective subject elements

30 ECTS are to be covered as subject elements from the following list:

• LNAK10037U	Applied Ethnobotany	Block 1	7.5 ECTS
• NIFK15004U	Political Ecology	Block 1	7.5 ECTS
• NIGK14009U	Land Use Transitions in the Global South	Block 1	7.5 ECTS
• LFKK10258U	Qualitative Methods in Agricultural Development	Block 1	7.5 ECTS
• LOJK10272U	Applied Econometrics	Block 1	7.5 ECTS
• NIFK14013U	Tropical Forests, People, and Policies	Block 1	7.5 ECTS
• NIFK18001U	Planning Interdisciplinary Research	Block 1	7.5 ECTS
• NIFK18002U	Interdisciplinary Approaches to Rural Livelihoods	Block 2	7.5 ECTS
• NIFK16006U	Participatory Natural Resource Governance	Block 2	7.5 ECTS

• NGEK10024U	Globalisation and Dynamics in Global Value Chains	Block 3	7.5 ECTS
• NIGK17009U	Livelihoods and Rural-Urban Connections in the Global South	Block 4	7.5 ECTS
• NIFK14015U	Topics in Development Studies	Block 4	7.5 ECTS
• LOJK10292U	Agricultural Value Chains in Developing Countries	Block 4	7.5 ECTS

6.2.3 Elective subject elements

15 or 30 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 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.

6.2.4 Thesis

The MSc Programme in Agricultural Development with a specialisation in Livelihoods and Governance includes a thesis corresponding to 30 or 45 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 the Global South or countries with economies in transition. Field work country must be approved by the Head of Studies. The data for the thesis are expected to be collected during this period. The fieldwork may be combined with an internship at international organisations, NGOs, universities, or similar.

Students will obtain financial support from the supervising department in connection with thesis fieldwork if funding criteria are met.

6.2.5 Academic mobility

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

The academic mobility in the MSc Programme in Agricultural Development with a specialisation in Livelihoods and Governance is placed in block 1+2 or block 3+4 of the 1st year.

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 Amendment

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

Table – Specialisation in Agriculture and Ecology (thesis, 45 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	Practising Interdisciplinarity		Interdisciplinary Land Use and Natural Resource Management	Elective
	Restricted elective	Restricted elective		Elective
2nd year	Restricted Elective	Thesis		
	Restricted elective			

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

Table – Specialisation in Agriculture and Ecology (thesis, 30 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	Practising Interdisciplinarity		Interdisciplinary Land Use and Natural Resource Management	Elective
	Restricted elective	Restricted elective		Elective
2nd year	Restricted Elective	Elective	Thesis	
	Restricted elective	Elective		

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


Table – Specialisation in Livelihoods and Governance (thesis, 45 ECTS)


	Block 1	Block 2	Block 3	Block 4
1st year	Practising Interdisciplinarity		Interdisciplinary Land Use and Natural Resource Management	Elective
	Restricted elective	Restricted elective		Elective
2nd year	Restricted Elective	Thesis		
	Restricted elective			


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

Table – Specialisation in Livelihoods and Governance (thesis, 30 ECTS)

	Block 1	Block 2	Block 3	Block 4
1st year	Practising Interdisciplinarity		Interdisciplinary Land Use and Natural Resource Management	Elective
	Restricted elective	Restricted elective		Elective
2nd year	Restricted Elective	Elective	Thesis	
	Restricted elective	Elective		

 Compulsory

 Restricted elective

 Elective

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

Appendix 2 Interim arrangements

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 2017/18

Students admitted to the MSc Programme in the academic year 2017/18 must finish the programme as listed in the curriculum above with the following exceptions.

Structure of the program

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

- Compulsory subject elements, 30 ECTS.
- Restricted elective subject elements, 22.5 ECTS.
- Elective subject elements, 22.5 ECTS.
- Thesis, 45 ECTS.

Table – Agricultural Development

	Block 1	Block 2	Block 3	Block 4
1st year	Qualitative Methods in Agricultural Development	Elective	<i>Interdisciplinary Land Use and Natural Resource Management</i>	Agricultural Value Chains in Developing Countries
	Restricted elective	Restricted elective		Restricted elective
2nd year	Elective	Thesis		
	Elective			

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

Subject elements in italics are no longer offered. See course specific changes below.

Restricted elective subject elements

22.5 ECTS are to be covered as subject elements from the following list:

• Restricted elective subject elements offered as part of this curriculum (see above)			
• NIFK14023U	Advanced International Trade	Block 1	7.5 ECTS
• NFOK15011U	Food Quality Management and Control	Block 1	7.5 ECTS
• LLEK10252U	Nutrition, Growth and Development	Block 1	7.5 ECTS
• NIFK18000U	Practising Interdisciplinarity	Block 1+2	15 ECTS
• NIFK16007U	Computational Methods for Policy Analysis in AgriFood Markets	Block 2	7.5 ECTS
• SASA10153U	Animals and Sustainability	Block 2	7.5 ECTS
• NPLK14030U	Climate Change and Land Use	Block 2	7.5 ECTS
• NIFK14025U	Contracts and Cooperatives	Block 2	7.5 ECTS

• NIFK16005U	Advanced Development Economics	Block 2	7.5 ECTS
• NPLK14010U	Tropical Botany A	Block 2	15 ECTS
• NNEK15000U	Nutrition in Global Health	Block 2	7.5 ECTS
• LNAK10083U	Rural Livelihoods and Natural Resources Governance	Discontinued*	7.5 ECTS

*See course specific changes below

2 General changes for students admitted in the academic year 2016/17

Students admitted to the MSc Programme in the academic year 2016/17 must finish the programme as listed in the curriculum above with the following exceptions.




Structure of the programme

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

- Compulsory subject elements, 30 ECTS.
- Restricted elective subject elements, 30 ECTS.
- Elective subject elements, 15 ECTS.
- Thesis, 45 ECTS.

Table – Agricultural Development

	Block 1	Block 2	Block 3	Block 4
1st year	Qualitative Methods in Agricultural Development	Restricted elective	<i>Interdisciplinary Land Use and Natural Resource Management</i>	Agricultural Value Chains in Developing Countries
	Restricted elective	Restricted elective		Restricted elective
2nd year	Elective	Thesis		
	Elective			

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

Subject elements in italics are no longer offered. See course specific changes below.

Restricted elective subject elements

30 ECTS are to be covered as subject elements from the following list:

• Restricted elective subject elements offered as part of this curriculum (see above)			
• NIFK14023U	Advanced International Trade	Block 1	7.5 ECTS
• NFOK15011U	Food Quality Management and Control	Block 1	7.5 ECTS
• LLEK10252U	Nutrition, Growth and Development	Block 1	7.5 ECTS
• NIFK18000U	Practising Interdisciplinarity	Block 1+2	15 ECTS
• NPLK14020U	Sustainable Agricultural Development Pathways	Block 2	7.5 ECTS
• NIFK16007U	Computational Methods for Policy Analysis in AgriFood Markets	Block 2	7.5 ECTS
• SASA10153U	Animals and Sustainability	Block 2	7.5 ECTS
• NPLK14030U	Climate Change and Land Use	Block 2	7.5 ECTS

• NIFK14025U	Contracts and Cooperatives	Block 2	7.5 ECTS
• NIFK16005U	Advanced Development Economics	Block 2	7.5 ECTS
• NPLK14010U	Tropical Botany A	Block 2	15 ECTS
• NGEK10026U	Rural Livelihoods, Vulnerability and Adaptation	Block 4	7.5 ECTS
• NNEK15000U	Nutrition in Global Health	Block 5	7.5 ECTS
• LNAK10083U	Rural Livelihoods and Natural Resources Governance	Discontinued*	7.5 ECTS

*See course specific changes below

3 General changes for students admitted in the academic year 2015/16

Students admitted to the MSc Programme in the academic year 2015/16 or earlier must finish the programme as listed in the curriculum above with the following exceptions.

Structure of the programme

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

- Compulsory subject elements, 30 ECTS.
- Restricted elective subject elements, 30 ECTS.
- Elective subject elements, 15 ECTS.
- Thesis, 45 ECTS.

Table – Agricultural Development

	Block 1	Block 2	Block 3	Block 4
1st year	Qualitative Methods in Agricultural Development	Restricted elective	<i>Interdisciplinary Land Use and Natural Resource Management</i>	Agricultural Value Chains in Developing Countries
	Restricted elective	Restricted elective		Restricted elective
2nd year	Elective	Thesis		
	Elective			

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

Restricted elective subject elements

30 ECTS are to be covered by subject elements from the following list:

• Restricted elective subject elements offered as part of this curriculum (see above)			
• NIFK14023U	Advanced International Trade I	Block 1	7.5 ECTS
• SASA10153U	Animals and Sustainability	Block 1	7.5 ECTS
• NIFK14022U	Industrial Organization	Block 1	7.5 ECTS
• NFOK15011U	Food Quality Management and Control	Block 1	7.5 ECTS
• LLEK10252U	Nutrition, Growth and Development	Block 1	7.5 ECTS
• NIFK18000U	Practising Interdisciplinarity	Block 1+2	15 ECTS
• NIFK14024U	Advanced International Trade II	Block 2	7.5 ECTS
• NPLK14030U	Climate Change and Land Use	Block 2	7.5 ECTS
• NIFK14025U	Contracts and Cooperatives	Block 2	7.5 ECTS
• LOJK10265U	Studies in Development Economics	Block 2	7.5 ECTS

• NPLK14010U	Tropical Botany A	Block 2	15 ECTS
• NGEK10026U	Rural Livelihoods, Vulnerability and Adaptation	Block 4	7.5 ECTS
• NIFK13002U	Topics in Advanced International Economics	Block 4	7.5 ECTS
• NNEK15000U	Nutrition in Global Health	Block 5	7.5 ECTS
• LNAK10017U	Participatory Forest Management	Discontinued*	7.5 ECTS
• LNAK10083U	Rural Livelihoods and Natural Resources Governance	Discontinued*	7.5 ECTS

4 Course specific changes

Discontinued course	Interim arrangement
Advanced International Trade II (NIFK14024U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2015/16 or earlier.</p> <p>The course was offered for the last time in the academic year 2015/16 and a third exam is offered in the academic year 2016/17.</p>
Chemical Food Safety (SLEK10172U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2015/16 or earlier.</p> <p>The course was offered for the last time in the academic year 2015/16 and a third exam is offered in the academic year 2016/17.</p>
International Food Legislation and Quality Management (NFOB14013U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2014/15 or earlier.</p> <p>The course was offered for the last time in the academic year 2014/15 and a third exam is offered in the academic year 2015/16.</p>
International Nutrition and Health (LLEK10251), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2014/15 or earlier.</p> <p>The course was offered for the last time in the academic year 2014/15 and a third exam is offered in the academic year 2015/16.</p>
Participatory Forest Management (LNAK10017), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2015/16 or earlier.</p> <p>The course is identical to Participatory Natural Resource Governance (NIFK16006U), 7.5 ECTS</p>
Research Planning (LFKK10270U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2017/18.</p> <p>The course was offered for the last time in the academic year 2017/18.</p> <p>The course is identical to Planning Interdisciplinary Research (NIFK18001U), 7.5 ECTS.</p>
Rural Livelihoods and Natural Resources Governance (LNAK10083U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2017/18 or earlier.</p> <p>The course is identical to TEMP0015 Interdisciplinary Approaches to Rural Livelihoods, 7.5 ECTS.</p>
Thematic Course: Interdisciplinary Land Use and Natural Resource Management (LFKK10246U), 15 ECTS	<p>The course was a compulsory course in the academic year 2017/18 and earlier.</p> <p>The course is identical to NIFK18003U Thematic Course: Interdisciplinary Land Use and Natural Resource Management, 15 ECTS</p>
Topics in Advanced International Economics (NIFK13002U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2015/16 or earlier.</p> <p>The course was offered for the last time in the academic year 2015/16 and a third exam is offered in the academic year 2016/17.</p> <p>If the students want to do a written assignment within the subject area they are to contact the Department of Food and Resource Economics.</p>
Studies in Development Economics (LOJK10265U), 7.5 ECTS	<p>The course was a restricted elective course in the academic year 2015/16 or earlier.</p> <p>The course was offered for the last time in the academic year 2015/16 and a third exam is offered in the academic year 2016/17.</p>

Appendix 3 Description of objectives for the thesis

After completing the thesis, the student should have:

Knowledge about:

- Bordering subject areas to main specialization.
- Alternative approaches or methods.

Skills in/to:

- Collect empirical data using preselected tools.
- Analyse collected data using appropriate framework, including statistical methods.
- Present objectives, methods and results in a clear and comprehensive way.
- Discuss results in relation to literature in the subject area.
- Draw general conclusions from results, and respect the limitations of the specific data set.

Competences in/to:

- Plan, perform and evaluate an empirical study in a developing country.
- Critically evaluate data quality and appropriateness of methods.
- Operationalize an objective, via development of testable research questions, selection of appropriate methods and relevant sources of information.
- Put an empirical study into a wider development perspective.