

# SLUkurs

## Environmental Economics and Management - Master's Programme

**Version 5.** Is valid between autumn 2018 and spring 2019

### DECISION

**Programme code:**

NM005

**Scope:**

120 ECTS

**Date:**

2007-05-03

**Decision by:**

Utbildningsnämnden

**Revised by:**

2017-12-13

Utbildningsnämnden

**SLU Id:**

SLU ua 2017.3.1.1-3795

**Board responsible:**

Programnämnden för utbildning inom naturresurser och jordbruk (PN - NJ)

### PRIOR KNOWLEDGE AND OTHER ENTRY REQUIREMENTS

Admission to the Environmental Economics and Management – Master's programme requires a first-cycle qualification comprising 180 credits and including specialised studies comprising 90 credits within one of the following subjects/disciplinary domains:

- business administration
- economics

The qualification must include at least 5 credits of mathematics and 5 credits of statistics; or 15 credits of statistics.

Two specialisations are available on this programme, and the constituent courses have different specific entry requirements. The specialization business administration requires a specialization in that subject at first-cycle level. The specialisation economics requires a specialization in that subject at first-cycle level.

Applicants with the equivalent qualifications obtained by means of a degree from another country, or with the equivalent knowledge obtained in some other way, may also be regarded as fulfilling the specific entry requirements.

This programme is taught in English. The applicant must further have a level of English equivalent to upper secondary school English. An applicant with a first-cycle qualification from SLU comprising 180 credits automatically fulfils this requirement. Special rules apply for applicants with qualifications from one of the Nordic countries and some English-speaking countries.

Specific requirements apply for admission to the individual courses included in the programme.

## **INTENDED LEARNING OUTCOMES**

### **General objectives**

The general objectives for first- and second-cycle courses and programmes are specified in the Swedish Higher Education Act (Chapter 1, Sections 8–9).

### **Objectives for a Degree in XX**

In accordance with the annex to the Ordinance for the Swedish University of Agricultural Sciences, for a degree of Master (120 credits) the student shall:

#### *Knowledge and understanding*

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

#### *Competence and skills*

- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information
- demonstrate the ability to identify and formulate issues critically, autonomously and creatively as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames and so contribute to the formation of knowledge as well as the ability to evaluate this work
- demonstrate the ability in speech and writing both nationally and internationally to clearly report and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity.

*Judgement and approach*

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

**DEGREE****Degree awarded on completion of the programme**

Upon completion of the programme, the degree of Master of Science is awarded. Other general qualifications may be awarded, provided that the requirements for them are fulfilled. More information can be found in SLU's degree regulations.

Students who fulfil the qualification requirements for a degree will be issued a degree certificate upon request. The degree certificate will specify the qualification as Degree of Master of Science in Business and Economics (120 credits) with a Major in Business Administration or with a Major in Economics.

**Degree requirements**

A degree of Master of Science in Business and Economics (120 credits) with a **major in business administration** is awarded to students who fulfil the course requirements (courses with a Pass grade) of 120 credits, of which at least 90 credits at second-cycle level, according to the following:

- at least 30 credits of courses with specialised study in the main field business administration (A1N; A1F),
- at least 30 credits from an independent project (degree project) in the main field business administration (A2E).

In addition, the student must hold a degree of Bachelor or professional qualification of at least 180 credits or an equivalent qualification.

A degree of Master of Science in Business and Economics (120 credits) with a **major in economics** is awarded to students who fulfil the course requirements (courses with a Pass grade) of 120 credits, of which at least 90 credits at second-cycle level, according to the following:

- at least 30 credits of courses with specialised study in the main field economics (A1N; A1F),
- at least 30 credits from an independent project (degree project) in the main field economics (A2E).

In addition, the student must hold a degree of Bachelor or professional qualification of at least 180 credits or an equivalent qualification.

## **CONTENT AND OUTLINE**

### **Programme description**

Master students on the Environmental Economics and Management – Master’s programme study theoretical, methodological as well as applied knowledge within the fields of environmental economics and environmental management, respectively. The programme offers insights into environmental problems and provides the students with tools for evaluating such problems from different perspectives. The teaching prepares students for positions within businesses and organisations requiring decisionmaking skills based on an understanding of natural resources, environmental issues and sustainable development. The programme also prepares students to continue their studies as doctoral students.

### **Courses in the programme**

Main fields of study

FÖ=Business administration, NA=Economics, LB=Agricultural science, MX=Environmental science

*Specialisation: Business administration*

Year 1

Marketing, Responsibility and Ethics 15 cr FÖ A1N

Value Chains and Networks in the Bio-economy 15 cr FÖ A1N

Research Methods for Business Studies 7,5 cr FÖ A1N

Innovation and Sustainability 7,5 cr FÖ A1N

Leadership and Sustainability 15 cr FÖ A1N

Year 2

Quantitative Finance 15 cr FÖ/NA A1N

Governance of Natural Resources 15 cr LU A1N

Experimental Methods for Economics and Business Studies 7,5 cr NA/FÖ A1N

Independent Project in Business Administration 30 cr FÖ A2E

*Specialisation: Economics*

Year 1

Microeconomic theory 7,5 cr NA A1N

Analytical Methods 7,5 cr NA A1N

Experimental Methods for Economics and Business Studies 7,5 cr NA/FÖ A1N  
 Macroeconomic Theory 7,5 cr NA A1N  
 Management of Biological Resources 7,5 cr NA A1N  
 Econometric Theory 7,5 cr NA A1N  
 Applied Econometrics 7,5 cr NA A1N  
 Environmental Policy 7,5 cr NA/MX A1N  
 Policy Evaluation 7,5 cr NA A1N  
 Topics in Contemporary Applied Agricultural Economics II, 7,5 cr NA A1N

#### Year 2

Cost Benefit Analysis of Agricultural and Environmental Projects 7,5 cr NA/MX A1N  
 Topics in Contemporary Applied Agricultural Economics I 7,5 cr NA A1F  
 Economic Growth and Sustainable Development 7,5 cr NA A1F  
 Management of Biological Resources 7,5 cr NA/MX A1N  
 Independent Project in Economics 30 cr NA A2E

#### *Additional courses*

Topics in Econometrics 7,5 cr NA A1N  
 Research Methods – Master Level distance course 7,5 cr FÖ A1N

The courses offered may change during the course of the programme. Decisions on the courses offered are taken well in advance of the next academic year.

For each course, there is a course syllabus providing more detailed course information. Information on when courses are offered is available on the SLU student web.

### **OTHER INFORMATION**

#### **General regulations for first- and second-cycle courses and programmes**

For more information on semester dates, examination and credit transfer, see the Regulations for education at Bachelor's and Master's level available on the SLU student web.

#### **Possibilities for further studies**

Students who complete the programme and are awarded a degree of Master have the option to continue their studies at doctoral level.