Appendix 1, Programme Syllabus for EnvEuro – European Master in Environmental Science

# Possibility for further study

A student who has completed the EnvEuro – European master in Environmental Science and been awarded the qualification fulfils the specific entry requirements for third-cycle studies at the Faculty of Natural Resources and Agricultural Sciences in any of the subjects

- Biology
- Environmental Science

The specific entry requirements are based on both first and second-cycle studies. Detailed requirements for each third-cycle subject area are shown in the respective study plan for the third cycle, see link

https://internt.slu.se/en/research-education-ema/phd-education/responsible-committees-and-director-of-studies/postgraduate-subjects/postgraduate-subjects-at-the-nl-faculty/

This appendix to the programme syllabus was approved by the study programmes board on 14 October 2010 och is valid as of the 2011/12 academic year (Reg. no. SLU.ua.Fe.2010.3.0-3112).

# Study plan for EnvEuro – European Master in Environmental Science

# Programme structure for students admitted in autumn 2016

### **Soil Resources and Land Use**

Example for programme structure if SLU is home university

	BSP		ASP-1		
Year	Period 1	Period 2	Period 3	Period 4	summer
1 2016/17	Environmental Mana credits, starts with int in Köpenhamn (Com	roduction one week pulsory distance	MV0194 Land use and watershed	MX0096 Applied environmental	Environmenta case studies in Europe, 7,5
	course from University  MV0204  Water and solute transport in the soilplant system, 10 credits  BI1087  Introduction to master's study, 5 credits  MV0206  Soils of the world, 5 credits  MV0197  Water management, soil conservation and land evaluation, 10 credits  BI1094  Contaminated soils - Risk Assessment and Remediation, 5	BI1225 Soil biology, 5 credits  MV0205 Soil and water chemistry, 10 credits  MX0087 Risk assessment of pollutants in soils and waters, 5 credits  BI0876 Safe nutrient recycling, 10 credits	management to reduce eutrophicaton, 10 credits  BI1179 Agricultural cropping systems, 5 credits	assessment, 10 credits  MV0172  Biogeochemistry  – element cycles and climate change, 5 credits	credits

### ASP-2

2	Elective and/or compulsory courses at	EX0431	
2017/18	host university, 30 credits	Independent project in Environmental	
		Science – Master's thesis, 30 credits	

## **Water Resources**

Example for programme structure if SLU is home university

BSP ASP-1

	DSF		AST-1		
Year	Period 1	Period 2	Period 3	Period 4	summer
1	Environmental Manag		MV0194	MX0096	Environmental
2016/17	credits, starts with int	roduction one week	Land use and	Applied	case studies in
	in Köpenhamn (Com	pulsory distance	watershed	environmental	Europe, 7,5
	course from Universit	ty of Copenhagen)	management to	assessment, 10	credits
	MV0204	BI1225	reduce	credits	
	Water and solute	Soil biology, 5	eutrophicaton,		
	transport in the soil-	credits	10	MV0172	
	plant system, 10			Biogeochemistry	
	credits	MV0205	TN0268	<ul> <li>element cycles</li> </ul>	
		Soil and water	Systems	and climate	
	BI1087	chemistry, 10	analysis for	change, 5 credits	
	Introduction to	credits	sustainable		
	master's study, 5		development, 5		
	credits	MX0087	credits		
		Risk assessment of			
	MV0206	pollutants in soil			
	Soils of the world,	and water, 5 credits			
	5 credits				
		BI0876			
	MV0197	Safe nutrient			
	Water management,	recycling, 10			
	soil conservation	credits			
	and land evaluation,				
	10 credits				
	BI1094				
	Contaminated soils				
	- Risk Assessment				
	and Remediation, 5				
	hp				

### ASP-2

	1101 =		
2	Elective and/or compulsory courses at	EX0431	
2017/18	host university, 30 credits	Independent project in Environmental	
	-	Science – Master's thesis, 30 credits	

**Environmental Management** Example for programme structure if SLU is home university

	BSP		ASP-1			
Year	Period 1	Period 2	Period 3	Period 4	summer	
1	Environmental Manag		LU0056	MX0096	Environmental	
2016/17	credits, starts with int		International	Applied	case studies in	
	in Köpenhamn (Com		rural	environmental	Europe, 7,5	
	course from Universit	ty of Copenhagen)	development I,	assessment, 10	credits	
	BI1087		10 credits	credits		
	Introduction to	LU0058				
	master's study, 5	Sustainable natural	MX0117	MX0097		
	credits	resource	Conflict,	Communicative		
		management, 15	democracy and	strategy, 10		
	MV0204	credits	facilitation, 15	credits		
	Water and solute		credits			
	transport in the soil-	BI1225		MX0098		
	plant system, 10	Soil biology, 5	TN0268	Communicative		
	credits	credits	Systems	theories, 5 credits		
			analysis for			
	MX0115	MV0205	sustainable	FÖ0309		
	Introduction to	Soil and water	development, 5	Ethics, 5 credits		
	environmental	chemistry, 10	credits			
	communication -	credits				
	Society, social		MV0194 Land			
	interaction and	MX0087	use and			
	communicative	Risk assessment of	watershed			
	skills, 15 credits	pollutants in soil	management to			
		and waters, 5	reduce			
	LU0078	credits	eutrophicaton,			
	The context and		10 credits			
	process of research	LU0059				
	I: Theories and	The process of				
	methods I, 7,5 hp	research: Methods,				
		data analysis and				
	LU0079	scientific writing,				
	The context and	15 credits				
	process of research					
	II: Theories and	MX0101				
	methods II, 7,5 hp	Systems thinking				
		and social learning				
	LU0081	in natural resource				
	Rurality, livelihood	management, 15				
	and gender, 15	credits				
	credits					
		MX0116				
		Field course in				
		collaboration and				
		learning in natural				
		resource				
		management, 15 hp				

### ASP-2

2	Elective and/or compulsory courses at	EX0431	
2017/18	host university, 30 credits	Independent project in Environmental	
		Science – Master's thesis, 30 credits	

In order for the degree certificate to state that the programme was completed according to the programme syllabus for the EnvEuro - European master in Environmental Science, the following requirements must be met:

Approved courses in Environmental Science of 30 credits:

- Environmental Management in Europe, 15 credits (Compulsary distance course from University of Copenhagen)
- Course/courses of at least 15 credits in Environmental science at SLU and/or the host university

Approved elective programme courses of 45 credits at SLU of following courses:

### Main field Environmental Science

- Introduction to environmental communication Society, social interaction and communicative skills, 15 credits (MX0115)
- The context and process of research I: Theories and Methods, 7,5 hp (LU0078)
- The context and process of research II: Theories and Methods, 7,5 hp (LU0079)
- Rural livelihood and gender, 15 credits (LU0081)
- Sustainable natural resource management, 15 credits (LU0058)
- The process of research: Methods, data analysis and scientific writing, 15 credits (LU0059)
- Systems thinking and social learning in natural resource management, 15 credits (MX0101)
- Conflict, democracy and facilitation, 15 credits (MX0117)
- Communicative strategy, 10 credits (MX0097)
- Communicative theories, 5 credits (MX0098)
- Applied environmental assessment, 10 credits (MX0096)
- Biogeochemistry element cycles and climate change (MV0172)
- Environmental case studies in Europe, 7,5 credits
- Introduction to master's study, 5 credits (BI1087)
- Risk assessment of pollutants in soil and water, 5 credits (MX0087)
- Safe nutrient recycling, 10 credits (BI0876)
- Soil and water chemistry, 10 credits (MV0205)
- Systems analysis for sustainable development, 5 credits (TN0268)
- Water and solute transport in the soil-plant system, 10 credits (MV0198)
- Land use and watershed management to reduce eutrophication, 10 credits (MV0194)
- Field course in collaboration and learning in natural resource management, 15 hp (MX0116)

### Other main fields

- Agricultural cropping systems, 5 credits (BI1179)
- Ethics, 5 credits (FÖ0309)
- International rural development I, 10 credits (LU0056)
- Soil biology, 5 credits (BI0883)
- Soils of the world, 5 credits (MV0199)
- Water management, soil conservation and land evaluation, 10 credits (MV0174)
- Contaminated soils Risk Assessment and Remediation, 5 hp (BI1094)

Approved courses of 30 credits at another university within EnvEuro.

Approved independent project of at least 30 credits in Environmental Science, according to instructions for the programme. The independent project is carried out at the host university.

This appendix to the programme syllabus was approved by the study programmes board on 16 December 2015 (Reg. no. SLU.ua. 2015.3.1.1-4443).

### Appendix 3, Programme Syllabus for EnvEuro – European Master in Environmental Science

### **Instructions for independent projects**

All independent projects (degree projects) must follow the joint guidelines that apply for independent work at SLU (REB 2011-07-01, Reg. no. SLU ua Fe.2011.3.2-2336. This means that they are to be managed under the same routines and remits as other higher education. Independent projects are tied to a syllabus and the guidelines state that for projects comprising 15 credits or more, the syllabus must specify that they are to be published in Epsilon and examined for plagiarism in Urkund. In exceptional cases publication may be delayed; if so this must be stated in the student's individual work plan. The individual work plan is to serve as a supplement to the curriculum and must specify how the independent project will fulfil the intended learning outcomes related to the degree. The supervisor and the examiner may not be the same person, and the same guidelines apply for independent project examiners as for examiners on other courses (REB 2011-07-01, Reg. no. SLU ua Fe.2011.3.0-2335).

Agreements with external cleints are handled in a separate contract between SLU and the client. In cases where students have an external supervisor there must also be a principal supervisor at SLU who is responsible for ensuring that the project is carried out in accordance with SLU's guidelines and the current syllabus.

In addition to the general instructions that apply for all programmes and to the instructions in the syllabus for independent project in environmental science (Independent project in Environmental Science – Master's thesis) an independent project on the EnvEuro must be related to the intended learning outcomes specified in the programme syllabus. The independent project shall be carried out at the host university with a principal supervisor from the host university and an assistant supervisor from SLU. Further instructions on EnvEuros home page <a href="http://www.enveuro.eu/Master-programme/Masters-thesis.aspx">http://www.enveuro.eu/Master-programme/Masters-thesis.aspx</a>.

This appendix to the programme syllabus was approved by the study programmes board on 2 Mars 2011 and is valid as of the 2011/12 academic year (Reg. no. SLU.ua.Fe.2010.3.0-3112).