

Programme description
for
Double Master Green
Economy and
Sustainability at
Università degli Studi di
Ferrara (Italy)
and
Environmental and
Resource Management at
University of Southern
Denmark (Denmark)

Appendix to the curriculum for the Master of Science in Environmental and Resource Management

This appendix is an enclosure to the curriculum for the Master of Science in Environmental and Resource Management

The appendix applies to students commencing the double degree as from 1 September 2016

It is recommended also to read the curriculum as well as the ministerial orders.

The profile description was approved on January 21st 2016 by the Academic Study Board for Environmental and Resource Management and on August 24th 2016 by the Dean of the Faculty of Social Sciences.

Appendix to the curriculum for the Master of Science in Environmental and Resource Management

This programme description is an enclosure to the curriculum for MSc in Environmental and Resource Management.

The purpose of this program description is to create the legal basis for simultaneously obtaining a MSc in Environmental and Resource Management from University of Southern Denmark and a Laurea Magistrale in Laurea Magistrale in Economia, Mercati e Management (LM 56), percorso Green Economy and Sustainability, from Università degli Studi di Ferrara.

This program description provides the basis for obtaining the MSc in Environmental and Resource Management. The program description is an amendment to the Curriculum for MSc in Environmental and Resource Management 2012, version 3.

All things stipulated in the curriculum apply if not explicit amend in this program description.

The numbers of sections follows the numbers of the curriculum. If the section number is in the curriculum, it replace that, if the number is not in the curriculum, the section is in addition to the curriculum.

Study composition

The study is composed of courses with subject matters of social sciences and natural sciences including engineering and technology. In addition combination courses, project courses and a Master thesis are part of the constituent subjects. The first year consist of compulsory courses taken at SDU (see section 4.3) composed to focus on both social and natural sciences. The second year consist of compulsory courses taken at UNIFE, including the Master thesis (for details see section 4.3).

Enrolment in the Double Master Degree program:

There is two ways to enroll in the program, either by appointment from SDU or by appointment from UNIFE. Each university can appoint up to 5 students per year.

A student appointed from SDU will have to fulfil the general rules for Entry requirements, etc given in section 3. UNIFE will accept SDU's appraisal as entry requirement to the Green Economy and Sustainability study at UNIFE

A student appointed from UNIFE will be accepted by SDU as if the general rules for Entry requirements, etc given in section 3. is fulfilled.

Study composition

The study is composed of compulsory courses in social sciences and natural sciences including engineering and technology and a compulsory master thesis. The first year consist of compulsory courses taken at SDU (see section 4.3.2) composed to focus on both social and natural sciences and designed with variation in instruction and tests. The second year consist of compulsory courses taken at UNIFE. The Master Thesis is part of first year courses at SDU with a compulsory introduction course and part of second years compulsory courses at UNIFE. Some of the courses taken at UNIFE replace the elective courses in the standard curriculum.

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Course titles, ECTS, weight and assessment

Course title	ECTS	Weight	Assessment
Constituent compulsory courses (min 90 ECTS incl. Master's Thesis):			
Research Forum	3.75	0.375	Internal. Grading: passed/failed
Environmental chemistry	3.75	0.375	Internal. Grading: 7-point scale
Sustainability	7.5	0.75	Internal. Grading: 7-point scale
Resource characterization & conversion technologies of resources	7.5	0.75	Internal. Grading: 7-point scale
Project management	7.5	0.75	Internal. Grading: 7-point scale
Multivariate data analysis	7.5	0.75	Internal. Grading: 7-point scale
Holistic design for sustainability: Systems, processes and products	7.5	0.75	External. Grading: 7-point scale
Innovation management	7.5	0.75	External. Grading: 7-point scale
Advanced environmental and resource economics and management	7.5	0.75	External. Grading: 7-point scale
Master's Thesis	30	3.0	At UNIFE
Elective subjects (min. 10 ECTS)			
Environmental law and intellectual property rights	7.5	0.75	At UNIFE
Eco-innovations, firm performance and industrial dynamics	7.5	0.75	At UNIFE
Environmental economics and the green economy	7.5	0.75	At UNIFE
Sustainability of public policy	7.5	0.75	At UNIFE

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Structure of content

The Master's program consists of one central subject, Environmental and resource management. The central subject is planned as a section of 90 ECTS.

The time schedule of the courses

QUARTERS	COURSES			
7 & 8	At UNIFE Master Thesis (second part)(20 ECTS)			
5 & 6	At UNIFE Environmental and intellectual property rights (7,5 ECTS)	At UNIFE Eco-innovations, firm performance and industrial dynamics (7,5 ECTS)	At UNIFE Environmental economics and the green economy (7,5 ECTS)	At UNIFE Sustainability of public policy (7,5 ECTS)
4	Innovation management (7,5 ECTS)	Advanced environmental and resource economics and management (7,5 ECTS)	Master thesis (first part) (10 ECTS)	
3	Multivariate data analysis (7,5 ECTS)	Holistic design for sustainability: Systems, processes and products (7,5 ECTS)		
2	Resource characterization & conversion technologies of resources (7,5 ECTS)		Project management (7,5 ECTS)	
1	Research forum (3.75 ECTS)	Environmental chemistry (3.75 ECTS)	Sustainability (7.5 ECTS)	

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The master's thesis

The master thesis consists of two parts: Master thesis (first part) of 10 ECTS provided by SDU and Master Thesis (second part) of 20 ECTS provided by UNIFE. The Master Thesis (second part) is consisting of two entries taken at UNIFE: 1) one of the master thesis preparation courses *Econometric techniques for policy evaluation* or *Economics of innovation* or *Policies for sustainability and local development* and 2) the UNIFE *Master Thesis*. To pass the Master Thesis both Master Thesis (first part) and all parts of The Master Thesis (second part) have to be passed. The grade on the SDU diploma is the grade UNIFE *Master Thesis* translated according to section 4.4.

Reference is made to the course description of the Master thesis (first part) at SDU and to the course description of the elements provided by UNIFE to their course descriptions.

Requirements for passing, etc.

The Academic Study Board's additional provision:

The student has graduated when he/she has achieved the mark 02 or higher or the assessment passed for each individual course.

When calculating the average, the weight of the courses depends on the course's ECTS value and is included in the calculation as follows:

- 7.5 ECTS: included in the examination average at the weight of 0.75.
- 3.75 ECTS: included in the examination average at the weight of 0.375.
- The thesis: included in the examination average at the weight of 3.0.

For Courses taking at UNIFE the grade will be translated as follows:

Italian grades	Danish grade
27-30	12
24-26	10
21-23	7
19-20	4
18	2
0-17	Not passed

Examination, etc.

Examination at courses taken at UNIFE

Cf. Act on Universities, §3a (5):

Students admitted to the Danish university are covered by the provision governing the foreign university and not by this Act during the period when they are enrolled at such foreign university. Students admitted to a foreign university are covered by the Act during the period when they are enrolled at the Danish university.

For courses taken at SDU the section 5 – 5.11 apply. For courses taken at UNIFE the section 5 – 5.11 do not apply. All regulation of examinations at UNIFE follows Italian acts.

