

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 Study Board for Environmental and Resource Management and on August 24th, 2016 by the Dean of the Faculty of Social Sciences.

The programme description has been updated in correlation with version 2 due to the following changes:

The name of The Academic Study Board of Environmental and Resource Management has been changed to: The Study Board of Market and Management Anthropology, Economics, Mathematics-Economics, Environmental and Resource Management.

As consequence of this, the curriculum has been updated.
New titles for 2 elective courses registered.

The changes were approved on 12th June 2018 by The Study Board of Market and Management Anthropology, Economics, Mathematics-Economics, Environmental and Resource Management and on 18 June 2018 by the Dean of the Faculty of Business and Social Sciences.

Due to a newly signed agreement between UNIFE and SDU the programme description has been updated in correlation with version 3 the following changes:

Page 4, 5 and 6:
3 out of 4 elective subjects has been changed from UNIFE.

The changes were approved on 11th December 2018 by The Study Board of Market and Management Anthropology, Economics, Mathematics-Economics, Environmental and Resource Management and on 22nd of October 2019 by the Dean of the Faculty of Business and Social Sciences.

Due to a newly signed agreement between UNIFE and SDU the programme description has been updated in correlation with version 4 the following changes:

Page 4 and 5:
3 out of 4 elective subjects has been changed from UNIFE.

The changes were approved on 5th November 2019 by The Study Board of Market and Management Anthropology, Economics, Mathematics-Economics, Environmental and Resource Management and on 12th of December 2019 by the Dean of the Faculty of Business and Social Sciences.

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

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

The purpose of this programme description is to create the legal basis for simultaneously obtaining an 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 programme description provides the basis for obtaining the MSc in Environmental and Resource Management. The programme 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 amended in this programme description.

The numbers of sections follow the numbers of the curriculum. If the section number is in the curriculum, it replaces that. If the number is not in the curriculum, the section is in addition to the curriculum.

2.2.1 Modules and course elements

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 4.34.4) 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).

3.3.4 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, if the general rules for Entry requirements, etc. given in section 3. Are fulfilled.

4.3 Structure of the programme

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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4.3.1 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 and intellectual property law	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
Choose among optional courses (see below)	7.5	0.75	At UNIFE

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

4.3.2 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's Thesis (second part) (20 ECTS)		At UNIFE Choose among optional courses*(7,5 ECTS)
5 & 6	At UNIFE Environmental and intellectual property law (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)
4	Innovation management (7,5 ECTS)	Advanced environmental and resource economics and management (7,5 ECTS)	Master's 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)

*Choose one of the below optional courses:

- Econometric techniques for policy evaluation
- Economics of innovation
- Policies for sustainability and local development
- Project Work

Note: optional courses chosen in 5&6 quarter must be different than in 7&8 quarter.

4.3.3 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*
- *Business, markets and competition,*
- *Policies for sustainability and local development,*
- *Industrial policy for SMEs,*
- *Project work,*
- *Financial management,*
- *Organisational behaviour and HRM or*
- *Development economics and emerging markets*

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's Thesis* translated according to section 4.4.

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

4.4 Requirements for passing, etc.

The 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 taken 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

5. Examination, etc.

5.12 Examination of 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 legislation.

