

X83 LABORATORY RESEARCH ON ENERGY TRANSITION & ECONOMIC DEVELOPMENT
COURSE OUTLINE

1. GENERAL

SCHOOL	ECONOMIC SCIENCES		
DEPARTMENT	ECONOMICS AND SUSTAINABLE DEVELOPMENT		
LEVEL OF STUDY	Undergraduate		
COURSE UNIT CODE	X83	SEMESTER OF STUDY	8^o
COURSE TITLE	LABORATORY RESEARCH ON ENERGY TRANSITION & ECONOMIC DEVELOPMENT		
COURSEWORK	BREAKDOWN	TEACHING WEEKLY HOURS	ECTS Credits
Lectures		3	7.5
COURSE UNIT TYPE	DEEPENING		
PREREQUISITES :	There are no prerequisites		
LANGUAGE OF INSTRUCTION/EXAMS:	OF	in English	
COURSE DELIVERED TO ERASMUS STUDENTS	TO	YES (in English)	
MODULE WEB PAGE (URL)			

2. LEARNING OUTCOMES

Learning Outcomes
<p>The course: "Clean Energy Transition & Economic Development" aims to introduce students to the area of energy transition strategies at the regional, national, European and international level. To this end, the course places emphasis on the linkages of energy transition policies with sustainable and resilient economic development.</p> <p>Within the above context, the course aims to familiarize students with international, European, national and regional strategies for a just development transition to a low or neutral carbon economy.</p> <p>Students are expected to acquire the ability to evaluate clean energy transition strategies through a critical and interdisciplinary approach, in the context of teamwork and individual assignment by each student.</p>
General Skills
<p><u>Search, analyze and synthesize data and information, using the necessary technologies</u> (Students are invited to combine a wealth of heterogeneous information as well as quantitative and qualitative data when analyzing and preparing the research teamwork)</p> <p><u>Adaptation to new situations</u> (Students are invited to adapt the latest developments in clean energy transition and adapt them to the needs of their research work)</p> <p><u>Independent work</u> (Students are required to complete an individual assignment with a view to a Just Transition)</p>

Development perspective)

Teamwork

(Students are invited to do a group research project working in an interdisciplinary environment. Developing teamwork requires interdisciplinary approach and analysis of qualitative and quantitative parameters)

Exercising criticism and self-criticism

(During the presentation of individual and group work, students receive criticism from their peers and the teacher and develop the capacity for self-criticism.)

3. COURSE CONTENTS

This course builds on the logic of a dynamic research laboratory. Based on this background, the course contents are articulated upon the following pillars:

The UN Context

- Agenda for Sustainable Development
- Paris Agreement

The EU Context

- Just Transition Mechanism
- 2050 long-term strategy
- Energy Union
- Clean energy for all Europeans package
- Equality Platform for Energy Sector

The National / Regional Context

- National Energy and Climate Plan (NECPs)
- Regional Just Transition Development Plans

Impacts of Clean Energy Transition on

- Economy
- Society
- Environment

Means of Clean Energy Transition

- Funding & Investment
- Green & Circular Economy
- Just Transition Governance
- Land restoration & repurposing

4. TEACHING METHODS - ASSESSMENT

MODE OF DELIVERY	In class / Face to face	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY	- Use of ICT in Teaching - Learning process support through power-point presentations and internet use - Learning process support through the e-class platform - Communication with students online via e-class and email.	
TEACHING METHODS	Method description	Semester Workload
	Lectures	36
	Study & analysis of literature	10
	Case studies Fieldwork	20
	Study Visits	12
	Individual study	72
	Total (30 hours of Workload per ECTS credit)	150

ASSESSMENT METHODS	I. Individual Assignment (35%) II. Team-Work Assignment (65%)	

5. RESOURCES

- Recommended Literature:

1. European Commission (2019) Communication from the Commission - The European Green Deal, COM(2019) 640 final, 11 December 2019
2. European Commission (2020) Communication from the Commission - Sustainable Europe Investment Plan - European Green Deal Investment Plan, COM(2020) 21 final, 14 January 2020.
3. European Commission (2020) Proposal for a Regulation of the European Parliament and of the Council establishing the Just Transition Fund, COM(2020) 22 final, 14 January 2020.
4. UN (2015) Transforming our world: the 2030 agenda for sustainable development, New York, United Nations.
5. UN (2015) Paris Agreement, New York, United Nations.
6. ILO (2015) Guidelines for a just transition towards environmentally sustainable economies and societies for all, Geneva, ILO.
7. M. Graff, S. Carley, M. Pirog (2019), A Review of the Environmental Policy Literature from 2014 to 2017 with a Closer Look at the Energy Justice Field, <https://doi.org/10.1111/psj.12316>
8. T. Ruseva, M. Foster, G. Arnold, S. Siddiki, A. York, R. Pudney, Z. Chen (2019), Applying Policy Process Theories to Environmental Governance Research: Themes and New Directions, <https://doi.org/10.1111/psj.12317>
9. G. Pellegrini-Masini, A. Pirni, S. Maran, C. A. Klöckner (2020), Delivering a timely and Just Energy Transition: Which policy research priorities?, <https://doi.org/10.1002/eet.1892>

-Relevant Scientific Journals:

1. Renewable and Sustainable Energy Transition
2. International Journal of Environment and Sustainable Development
3. Environment, Development and Sustainability
4. European Journal of Sustainable Development Research
5. International Journal of Sustainable Development and Planning

