



College of Europe
Collège d'Europe



Natolin

ECTS CARD

STUDY PROGRAMME

European Interdisciplinary Studies, Natolin campus (Advanced Academic Master)

YEAR

2023-2024

COURSE TITLE

Greening the Neighbourhood: Energy Transition in the Mediterranean

SEMESTER

2

COURSE PROFESSOR(S)

FRANZA Luca

ACADEMIC ASSISTANT(S)

PASTOR VIDAL Pablo

COURSE TYPE

Compact Seminar

MAJOR(S)

EUN

ECTS CREDITS

no ECTS

TEACHING HOURS

10

INDIVIDUAL & GROUP STUDY TIME

TUTORIAL(S)

COEFFICIENT

not
applicable

LANGUAGE(S)

EN

COURSE OBJECTIVE

This course offers an updated, hands-on, and in-depth coverage of the topic of energy transition in the EU's neighbourhood. The focus is on the Middle East and North Africa (MENA) region, the East Med, Turkey and the Western Balkans, but comparative references to other regions will also be made. The theme will be covered from many different angles (political economy, oil and gas markets, renewable energy markets, geopolitics, etc.).

COURSE LEARNING OUTCOMES

- Consolidating knowledge of the energy sector, including notions of energy economics;
- Gaining the ability to think strategically and to develop scenarios to 2030 and 2050;
- Getting the right analytical tools to understand the global energy transition, even beyond the region;
- Acquiring knowledge of the energy mixes and resource endowment of countries in the region;
- Learning to develop critical thinking and convey it effectively in a debate, potentially also by challenging mainstream statements through solid arguments;
- Acquiring useful energy and business jargon;
- Expanding knowledge of EU's external action and geopolitical agenda.

RECOMMENDED PREPARATION

Recommended readings to acquire notions about the energy transition and energy markets, such as the IEA's World Energy Outlook. It is also suggested to read press articles (e.g. Financial Times energy section) to get updated knowledge of latest energy developments before every class.

TEACHING METHOD(S)

Recommended readings to acquire notions about the energy transition and energy markets, such as the IEA's World Energy Outlook. It is also suggested to read press articles (e.g. Financial Times energy section) to get updated knowledge of latest energy developments before every class.

Lecture, interactive discussions and group brainstorming, scenario building, possibly guest interventions from practitioners.

ASSESSMENT METHOD AND CRITERIA

The compact seminar will be assessed on a 'pass/fail' basis through:

- an online closed-book multiple-choice test (80% of the mark) at the end of the final course session - 15 minutes to answer 7 questions, and
- overall attendance (20% of the mark).

The weighted average of both assessment elements needs be equal or greater than 50% for a student to pass the compact seminar.

Each student is entitled to re-taking the test once. The re-take test would account for 80% of the mark whilst overall attendance would account for the remaining 20%.

Since compact seminars carry no ECTS credits, the final result will be present on the transcript, but will have no impact on the student's final average, nor on the overall grade, nor on attaining the diploma.

COURSE CONTENTS

The course is divided into six blocks (or modules):

1. In the first one, we will make an overview of energy mixes and energy transition policies and strategies in all the countries of the region.
2. In the second block, we will delve deeper into wind and solar energy, where very promising developments are taking place.
3. In the third block, we will focus on natural gas as a transition fuel.
4. In the fourth block, we will look at how gas can be decarbonized. Hydrogen in particular will be analysed as a very promising option.
5. In the fifth block, the time will be ripe to have a more strategic discussion on how the energy transition could affect regional politics, trade relations, and social dynamics.
6. In the sixth session we will delve into the role of the EU and be more specific about funding instruments, best practice sharing platforms, and policy cooperation frameworks.

COURSE MATERIALS (readings and other learning resources/tools)

See the Course outline for the assigned readings.