



STUDY PROGRAMME

European Interdisciplinary Studies, Natolin campus (Advanced Academic Master)

YEAR

2021-2022

COURSE TITLE

Introduction to International Energy Studies

ACADEMIC ASSISTANT

MURAVSKA Vladimira

COURSE PROFESSOR(S)

BONZANNI Andrea

ADMINISTRATIVE OFFICER

COURSE TYPE

Introductory Course

MAJOR(S)

Not applicable

ECTS CREDITS

no ECTS

SEMESTER

1

TEACHING HOURS

10

INDIVIDUAL & GROUP STUDY TIME

TUTORIAL(S)

COEFFICIENT

not applicable

LANGUAGE(S)

EN

COURSE OBJECTIVE

This course will provide the basic tools to understand and analyse international developments in the energy sector. Key facts and trends will be critically reviewed to appreciate the impact of economic, technological and socio-political events on the energy sector. A particular focus will be held on the study of how policy, politics and businesses interact and shape outcomes in global and European energy markets. Insights from economics, political science, organisational studies and history will be drawn upon to critically analyse energy markets with an eye to practical policy and business applications.

COURSE LEARNING OUTCOMES

Students become acquainted with the fundamentals of energy studies, how global and European energy markets work and how policy shapes them.

Students develop a critical understanding how the global energy industry operates and how it interacts with EU policymakers.

Students acquire knowledge of global energy governance and the EU multi-level energy regulatory framework.

Students are able to independently assess how current and future trends may impact the energy sector.

RECOMMENDED PREPARATION

A general knowledge of energy economics and energy policy is recommended, but not essential.

TEACHING METHOD(S)

This course will be made up of a dynamic mixture of lecturing, case studies and discussions on current energy affairs. Each two-hour session will kick off with a critical review of a brief article made available ahead of the session.

Students are highly encouraged to participate sharing their questions, reflections and experiences with the rest of the class.

ASSESSMENT METHOD AND CRITERIA

The introductory course will be assessed on a 'pass/fail' basis through:

- an online 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 to be equal or greater than 50% for a student to pass the course.

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 introductory courses carry no ECTS credits, the final result will be present on the transcript, but will have no impact on students' final average, nor on overall grade, nor on attaining the diploma.

COURSE CONTENTS

- Energy and the global economy: facts, myths, trends and scenarios
- The global oil market in a decarbonising world
- The European gas market(s): between import dependency and stranded assets
- The European electricity market(s): sparking change
- The future of energy: decarbonisation, digitalisation and decentralisation

COURSE MATERIALS (readings and other learning resources/tools)

Recommended materials

- Spencer Dale (Group Chief Economist, BP), BP Energy Outlook to 2050 (last edition published in September 2020), booklet and presentation. <https://www.bp.com/en/global/corporate/energy-economics/energy-outlook.html>
- World Energy Council (WEC), Global Energy Scenarios Comparison Review, Technical Annex. World Energy Insight Brief, 2019. <https://www.worldenergy.org/assets/downloads/WEInsights-Brief-Global-Energy-Scenarios-Comparison-Review-R02.pdf>
- Global Commission on the Geopolitics of Energy Transformation, A New World: The Geopolitics of the Energy Transformation. International Renewable Energy Agency (IRENA), January 2019. <https://www.irena.org/publications/2019/Jan/A-New-World-The-Geopolitics-of-the-Energy-Transformation>
- Auke Lont (CEO, Statkraft), The Future of Carbon Pricing in the Energy Transition. Florence School of Regulation, audio podcast, May 2020. <https://soundcloud.com/fsregulation-energy-and-climate/what-is-the-role-and-future-of-carbon-pricing-in-the-energy-transition?in=fsregulation-energy-and-climate/sets/net-zero-a-fsr-podcast-series-on-the-energy-transition-and-climate-change>

- David Turk (IEA), Digitalization and energy, audio podcast, April 2018. <https://www.energypolicy.columbia.edu/digital-disruption-energy-sector>

Epistemological addendum

- Anthony Giddens, Between Immortality and Armageddon: Living in a High Opportunity, High Risk Society, Durham Castle Lecture Series, October 2014. <https://www.youtube.com/watch?v=2Dk7lYx4x-s>

Additional resources

In addition to the recommended readings above, you are invited to explore further resources and dive deeper into specific topics. Below are some suggestions.

- ACER-CEER Market Monitoring Reports
- Academic journals (The Energy Journal, Economics of Energy and Environmental Policy, Energy Policy)
- Think tanks and research centres (Oxford Institute of Energy Studies (OIES)
<https://www.oxfordenergy.org/>, University of Cambridge Energy Policy Research Group (EPRG):
<https://www.eprg.group.cam.ac.uk/>, Columbia University Center on Global Energy Policy (GCEP):
<https://energypolicy.columbia.edu/>, Centre for European Policy Studies (CEPS):
https://www.ceps.eu/ceps-publications/?filter_topics=12)