Energy, Technology and Climate Policy (STEP0008)

Description

In this module, you will learn about the relationships between climate change, energy systems and technological innovation in the context of international, national and local policy-making.

The module starts with a focus on climate and energy policy at the international level, with case studies based on the United Nations Framework Convention on Climate Change, including how scientific expertise is mobilised for the UNFCCC via the Intergovernmental Panel on Climate Change (IPCC), and on the UN Security Council, where geopolitics comes to the fore. We then move on to technologies for climate policy, such as carbon capture and sequestration/storage. Subsequently, we turn to climate and energy policy focusing on energy transition in the Netherlands as a case study. Then taking a UK perspective, we consider energy innovation delivery as well as national energy innovation policy. The module concludes by unpacking emerging thinking about the nature of technology and innovation when considered part of a socio-technical system.

Each week a 2-hour session will feature an external speaker talking to a specific case study, framed by the course directors. This will be followed by a 1-hour seminar later in the week where you will apply the framings and approaches observed in the 2-hour session and associated readings and materials to a series of in-class debates. We will also allocate 3 of these tutorials to one-on-one Q&A sessions, where you will have the chance to consult the course instructors with any questions you might have to the assessments.

Assessment is comprised of three linked papers. You will first draft a policy report based on the outputs from the IPCC. This policy report will then be used as part of the basis for a ministerial submission that you will draft, setting out energy options for addressing the climate-related goals identified in the policy report. Finally, you will draft a technology policy design paper, in which you will set out an approach to support innovation in developing a technology.

Key information

- Year: 2020/21
- Credit value: 15 (150 study hours)
- Delivery: UG L6, Campus-based
- Reading List: [View on UCL website](#)
- Tutor: Dr Adam Cooper
- Term: Term 2
- Timetable: [View on UCL website](#)

Assessment

- Coursework: 30.0%
- Coursework: 30.0%
- Coursework: 30.0%
- Coursework: 10.0%

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit [ucl.ac.uk](http://ucl.ac.uk).
to help meet the energy goals identified in the ministerial submission.
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**Key information**

- **Year**: 2020/21
- **Credit value**: 15 (150 study hours)
- **Delivery**: PGT L7, Campus-based
- **Reading List**: View on UCL website
- **Tutor**: Dr Adam Cooper
- **Term**: Term 2
- **Timetable**: View on UCL website

**Assessment**

- Coursework: 30.0%
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**Disclaimer**: All information correct as of March 2020. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.
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