Introduction to Engineering Education (CEGE0089)

**Description**

This module is focused on the fundamentals of engineering education to prepare the next generation of engineering leadership within academia and beyond. More than just the study of teaching and learning, engineering education is a colourful, dynamic, and growing field of study that explores topics such as career pathways for engineering, disciplinary cultures, global engineering competencies, engineering communication, ethics, professional work, design in engineering, the social-technical duality of the engineer, and diversity. This course will provide an overview for those seeking to enhance their future teaching of engineering or their understanding of their own learning. Additionally, this course is for those looking to improve their leadership and communication skills and develop a better understanding of the complex organizational systems that impact engineering work in the modern world.

**Learning Outcomes**

By the end of the course, students should be able to:

- Explain contemporary issues facing engineering education, including the challenges of preparing the next generation of engineers.
- Develop skills and ideas around communicating engineering to the public and being a leader in the engineering field.
- Compare theories, frameworks, and methodologies underpinning engineering education towards the goal of improving future teaching or professional practice.
- Recognize the components of strong assessment and evaluation plans aligned with relevant accreditation organizations and policy.
- Articulate their worldview as well as the notion of alternative worldviews in academic study and their professional interactions.

**Key information**

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<thead>
<tr>
<th>Year</th>
<th>2020/21</th>
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<tbody>
<tr>
<td>Credit value</td>
<td>15 (150 study hours)</td>
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<tr>
<td>Delivery</td>
<td>PGT L7, Campus-based</td>
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<tr>
<td>Reading List</td>
<td><a href="#">View on UCL website</a></td>
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<tr>
<td>Tutor</td>
<td>Dr Andrew Gillen</td>
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<td>Term</td>
<td>Term 1</td>
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<td>Timetable</td>
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**Assessment**

- Coursework: 20.0%
- Coursework: 20.0%
- Report: 40.0%
- Oral Presentation: 20.0%

**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).

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.