Chemical Engineering

Research Methods - Quantitative (CENG0045)

**Description**

**Aims:**
To provide students with the skills necessary to carry out the research component of MSc programmes effectively and successfully.

**Learning Outcomes:**
Upon completion, the students will be expected to have gained:

- understanding of quantitative research methods available and in which domain they are most appropriate;
- the advantages and disadvantages of these methods;
- understanding on the treatment of numerical data and statistics;
- understanding of the appropriate presentation of numerical data

**Synopsis:**
This module will provide students with an introduction to research, giving an insight into the underlying principles upon which scientific and social research is based. It will then go on to describe the tools and methods used to carry out and disseminate quantitative research. It will include 5 major themes;

- Understanding Quantitative Research & Managing Your Research
- Scientific Methods and Design of Experiments
- Analysis of Numeric Data & Statistics
- Presenting Quantitative Data
- Management, Storage and Archiving of Quantitative Data

**Key information**

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<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 Rhodri Jervis</td>
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<tr>
<td>Term</td>
<td>Terms 1 and 2</td>
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<td>Timetable</td>
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**Assessment**

**Find out more**

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