Engineering Tripos Part IIB, 4M1: French, 2017-18

Module Leader

Mr D Tual

Lecturer

Mr D Tual & guest speakers

Timing and Structure

Lent term. 7 lectures + seminars + coursework. Assessment: 100% coursework.

Prerequisites

Modules can be chosen by students with at least a B1/B2 (CEFR) level in the respective language (i.e. equivalent to AS or A-level). In any case, students wishing to take a language module must contact the relevant language coordinator in order to ensure they hold the necessary qualifications.

Aims

The aims of the course are to:

- improve understanding of French technology, society and culture.
- enable all students to consolidate their listening skills and practise their speaking skills in class, while particular emphasis will be put on reading and writing skills outside the class.

Objectives

As specific objectives, by the end of the course students should be able to:

- be confident in speaking/reading/writing whether in a general or work-related situation;
- use the language as a tool to improve understanding of technology, society and culture;
- analyse a topic/an issue in depth, compare all the elements at play, synthesise the major points and make a balanced judgement.

Content

Seminars (7 Lectures, various speakers, subject to changes)

- Les nanotechnologies dans les sciences de la vie
- Les Grandes Ecoles
- Exploration sismique: acquisition et traitement
- Ingénieurs Sans Frontières
- Le Québec et son identité francophone
- Développement et opération de centrales solaires photovoltaïques
- Les véhicules électriques et hybrides
Seminars

Associated with each lecture will be a one-hour seminar. This may be held before the lecture for preparation, or following the lecture for discussion purposes.

Coursework

The students will prepare 3 major pieces of coursework:

<table>
<thead>
<tr>
<th>Coursework</th>
<th>Format</th>
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<tbody>
<tr>
<td><strong>Coursework activity #1 Report</strong></td>
<td>Individual report (900 words)</td>
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<tr>
<td>A structured report of 900 words in the target language</td>
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<td><strong>Learning objective:</strong></td>
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<td>• Analyse, synthesise and/or critically evaluate a topic presented and discussed in class (topic related to science, technology or the culture of the French-speaking world)</td>
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<tr>
<td><strong>Coursework activity #2 Report</strong></td>
<td>Individual report (900 words)</td>
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<td><strong>Coursework activity #3 Oral presentation</strong></td>
<td>Individual oral presentation (10-15 minutes followed by questions)</td>
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Examination Guidelines

Please refer to Form & conduct of the examinations [2].
UK-SPEC

The UK Standard for Professional Engineering Competence (UK-SPEC) [3] describes the requirements that have to be met in order to become a Chartered Engineer, and gives examples of ways of doing this.

UK-SPEC is published by the Engineering Council on behalf of the UK engineering profession. The standard has been developed, and is regularly updated, by panels representing professional engineering institutions, employers and engineering educators. Of particular relevance here is the ‘Accreditation of Higher Education Programmes’ (AHEP) document [4] which sets out the standard for degree accreditation.

The Output Standards Matrices [5] indicate where each of the Output Criteria as specified in the AHEP 3rd edition document is addressed within the Engineering and Manufacturing Engineering Triposes.

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Links
[1] mailto:dhpt2@cam.ac.uk