Engineering Tripos Part IIB, 4M3: Spanish, 2017-18

Leader

Mr S Bianchi [1]

Lecturer

Mr S Bianchi

Timing and Structure

Michaelmas Term. Course given at Intermediate and Advanced Levels; 7 lectures + 7 seminars + coursework Assessment Coursework / 3 Tasks: 2 written reports, 1 oral presentation / End of week 3 (30%), end of week 5 (30%), end of week 8 (40%)

Prerequisites

Spanish at Intermediate Level

Aims

The aims of the course are to:

- To advance understanding in Hispanic science and technology, society and culture.
- To 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)

- La historia de la ciencia y la ingeniería en el Mundo Hispano: desde el pasado precolombino hasta el presente.
- Principales avances tecnológicos y su impacto en España.
- La ingeniería y la tecnología en aplicación en la vasta Hispanoamérica.
- La industria tecnológica y sus desafíos en el Mundo Hispano.
- Cómo pueden aplicarse las investigaciones a las necesidades de los países hispanos
- La educación y la ciencia en España.
- Una proyección hacia el futuro

Material to be announced in lectures.

A list of this year's module talks will be available at http://www.eng.cam.ac.uk/teaching/language/module-lectures.htm [2]

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:

- [redacted]

Coursework	Format
Coursework activity #1 Report A structured report of 900 words in the target language. Learning objective: • Analyse, synthesise and/or critically evaluate a topic presented and discussed in class (topic related to science, technology or the culture of the Spanish-speaking world) • Express ideas in a logical and articulate manner using a range of structures and expressions appropriate to the task and expected at the level of proficiency in the target language	Individual Non-anon
Coursework activity #2 Report A structured report of 900 words in the target language. Learning objective: • Analyse, synthesise and/or critically evaluate a topic presented and discussed in class (topic related science, technology or the culture of the Spanish-speaking world) • Express ideas in a logical and articulate manner using a range of structures and expressions appropriate to the task and expected at the level of proficiency in the target language	Individual Non-anon
Coursework activity #3 Oral presentation A structured oral presentation (10-15 minutes followed by questions) Learning objective: • Analyse, synthesise and/or critically evaluate a topic presented and discussed in class (a topic related to science, technology or the culture of the Spanish-speaking world) • Express ideas in a logical and articulate manner using a range of structures and expressions appropriate to the task and expected at the level of proficiency in the target language	Individual followed b Non-anon

Examination Guidelines

Please refer to Form & conduct of the examinations [3].

UK-SPEC

This syllabus contributes to the following areas of the UK-SPEC [4] standard:

Toggle display of UK-SPEC areas.

GT1

Develop transferable skills that will be of value in a wide range of situations. These are exemplified by the Qualifications and Curriculum Authority Higher Level Key Skills and include problem solving, communication, and working with others, as well as the effective use of general IT facilities and information retrieval skills. They also include planning self-learning and improving performance, as the foundation for lifelong learning/CPD.

IA1

Apply appropriate quantitative science and engineering tools to the analysis of problems.

IA2

Demonstrate creative and innovative ability in the synthesis of solutions and in formulating designs.

KU1

Demonstrate knowledge and understanding of essential facts, concepts, theories and principles of their engineering discipline, and its underpinning science and mathematics.

KU2

Have an appreciation of the wider multidisciplinary engineering context and its underlying principles.

P4

Understanding use of technical literature and other information sources.

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Links
[1] mailto:asb49@cam.ac.uk
[2] http://www.eng.cam.ac.uk/teaching/language/module-lectures.htm
[3] https://teaching23-24.eng.cam.ac.uk/content/form-conduct-examinations
[4] https://teaching23-24.eng.cam.ac.uk/content/uk-spec