Engineering Tripos Part IIB, 4M3: Spanish, 2016-17

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 (open to public: summary in English)

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 best skills and develop their weaker ones further while particular emphasis will be put on
writing skills

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.

Syllabus

7 Lectures - Various

- The history of science and engineering in the Hispanic World: past and future
- Major technological advances and their impact in Spain
- Engineering and Architecture in the vastness of Spanish America
- Transport and the environment in the Hispanic World: repercussions and solutions
- Communications: new technologies and networking in Spain and Spanish America

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.

References
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]

Coursework

The student will prepare 3 major pieces of work. Two on engineering/technical related topics and one on a socio/political/cultural related topic. Students will choose which 2 pieces of work will be written assignments and which one will be an oral assignment. The assignments will be marked for both language and content (50% language, 50% content).

Assessment

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

UK-SPEC

The UK Standard for Professional Engineering Competence (UK-SPEC) [4] 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 [5] which sets out the standard for degree accreditation.

The Output Standards Matrices [6] indicate where each of the Output Criteria as specified in the AHEP 3rd edition document is addressed within the Engineering and Manufacturing Engineering Triposes.