IMPERIAL

Module Specification

Basic details

UID		Cohorts covered (Earliest cohort)	
Long title	Group Consultancy Project		
New code	ELEC60014	New short title	
Brief description of module *(approx. 600 chars.)*	The 3rd Year group project is undertaken by those students in the 3rd Year of the MEng who choose not to undertake an Industrial Placement. It runs for the entirety of the summer term (typically April – June). The purpose of the module is to provide you with the experience of design engineering in an industrially relevant context. You will develop solutions to problems by following the process: problem – specification – design solutions– build – refine – test – evaluate. In addition, you will gain valuable insights into the commercial and project management facets of product development.		
Available as a standalone module/ short course?	No		

Statutory details

	ECTS	CATS	Non-credit	
Credit value	20	40	N	HECOS codes
FHEQ level	6			

Allocation of study hours

	Hours	
Lectures	4	
Group teaching	2	*Incl. seminars, tutorials, problem classes.*
Lab/ practical	0	
Other scheduled	0	*Incl. project supervision, fieldwork, external visits.*
Independent study	494	*Incl. wider reading/ practice, follow-up work, completion of assess*
Placement	0	*Incl. work-based learning and study that occurs overseas.*
Total hours	500	
ECTS ratio	25.00	

Project/placement activity

Is placement activity allowed?	no

Module delivery

Delivery mode	Taught/ Campus	Other	
Delivery term	Term 3	Other	

Ownership

Primary department	Department of Electrical and Electronic Engineering
Additional teaching	

departments	
Delivery campus	South Kensington

Collaborative delivery

Collaborative delivery?	
External institution	
External department	
External campus	

Associated staff

Role	CID	Given name	Surname
Module leader		Steve	Wright
Module support		Emma	Rainbow

Learning and teaching

Module description

Learning outcomes	Upon successful completion of this module, you will be able to: 1. Develop an engineering specification from a given open-ended brief; 2. Generate number of viable solutions to the brief; 3. Select the optimum solution through technical and critical analysis; 4. Develop a prototype to demonstrate the principles of the proposed solution; 5. Provide financial and commercial information to support their decision; 6. Manage the project from a resource and workload point of view; 7. Adopt an inclusive approach to engineering practice and recognise the responsibilities, benefits and importance of supporting equality, diversity and inclusion; 8. Apply knowledge of engineering management principles, commercial context, project and change management, and relevant legal matters including intellectual property rights; 9. Function effectively as an individual, and as a member or leader of a team. Evaluate effectiveness of own and team performance; 10. Communicate effectively on complex engineering matters with technical and non-technical audiences, evaluating the effectiveness of the methods used
Module content	Teamwork solving industrial problem.
Learning and Teaching Approach	Information workshop. Industry presentation sessions.

Assessment Strategy	You will be assessed through: Project documentation Project promotional leaflet Project Hackbooth and poster Peer assessment Individual reflection Formative assessment takes place during: 1. Consultations with academic supervisor 2. Consultation with project sponsor An in-session resit (July-September) of this module is not possible due to the requirement for teamworking. If the module is failed, the next resit opportunity will be in the following Summer Term
Feedback	You will be provided with written comments on submissions such as the documentation and leaflet. Oral feedback is given after demonstrations and presentations.
Reading list	Reading list will be provided in-session

Quality assurance

Date of first approval	
Date of last revision	December 2024
Date of this approval	
Module leader	Dr S. Wright

Office use only

QA Lead	
Department staff	
Date of collection	
Date exported	
Date imported	

Notes/ comments	

Template version

Assessment details

Grading method	Pass / Fail	Pass mark	100%

Assessments

Assessment type	Assessment description	Weighting	Pass mark	Must pass?
Coursework	Project documentation	30%	40%	N
Coursework	Project promotional leaflet	10%	40%	N
Coursework	Project Hackbooth and poster	55%	40%	N
Coursework	Peer assessment	5%	40%	N
Coursework	Individual Reflection	0%	40%	Y
		100%		