

Module Specification

Module Summary Information

1	Module Title	Leading Engineering Endeavours
2	Module Credits	20
3	Module Level	5
4	Module Code	ENG5097

5	Module Overview
<p>An interdisciplinary module, you will work with students from all fields of engineering to develop skills in engineering leadership and experience creating a purposeful vision and delivering on that vision. This will set the professional skills for business in context by combining your technical course-specific knowledge with professional skills. It is proposed that the vehicle to deliver this will be the biomimicry global design challenge. http://challenge.biomimicry.org/. It is proposed that the University may enter the best teams to the Global challenge.</p> <p>Delivery will include guest lectures, inviting industrial leaders, and a series of mini-lectures to cover key content, including Internationalisation. Each session will concentrate on facilitated group working to use and develop skills rather than through didactic teaching of them.</p>	

6	Indicative Content
<p>Teamwork Cross-functional teams, Leadership vs management, Project planning, Negotiation, compromise and conflict resolution.</p> <p>Design Developing a business case, concept development and selection, technical design analysis / simulation, prototyping, ethics, equity and responsibilities</p>	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Work proactively and effectively in interdisciplinary teams to plan and deliver the task.
2	Create a purposeful vision considering context: external, societal, environmental, international enterprise and business.
3	Apply engineering knowledge to deliver the team vision.
4	Communicate effectively using appropriate media and style to the audience.

8 Module Assessment			
Learning Outcome			
	Coursework	Exam	In-Person
1-4	X		

9 Breakdown Learning and Teaching Activities	
Learning Activities	Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	0
Private Study (PS) includes preparation for exams	152
Total Study Hours:	200