



## Introduction to Engineering and Public Policy (STEP3001/7001)

**Module Tutor**  
Dr Adam Cooper

### Aims

This course offers a practical introduction to policy processes and the way that they influence or are influenced by engineering. Students will begin by building their own professional toolkit, which will enable them to critically engage with policy makers and the types of knowledge and evidence that they use. Students will take their first steps in policy analysis – the cornerstone of policy-making practice. We aim to give students an understanding of modes of governance, the people, their roles, the institutions of policy and how they function together. This will familiarize them with the policy-technology-science interface and the career structures and roles that you may interest them in the future.

### Intended Learning Outcomes

After successful completion of the module, students will be able to:

- Collate, analyse and evaluate data relevant to policy problems
- Write a variety of policy related documents including comprehensive analyses
- Use engineering knowledge and skills to design entrepreneurial policy solutions to 21<sup>st</sup> century challenges
- Communicate ideas clearly and meaningfully to professional, policy and public audiences

Method of Assessment	Percentage weighting	To be passed in order to progress? Y/N	Examination Length or coursework word count
3 x Presentation (Group)	30% (10% ea.)	N	5-10 mins
3 x Policy Memo on Eng Policy Topic (Individual)	70% (20%, 25%, 25%)	N	1000 - 1500w