

M.Phil in Engineering for Sustainable Development (2012-2013)

<i>Michaelmas Term</i>	<i>Lent term</i>
Induction Week Residential Field Trip (Twyford Down / Stonehenge / Hindhead; relationship of roads to landscape 5/6 Oct (prov. dates)	Residential Field Trip; Centre for Alternative Technology, Wales (16-19 April 2013) – subject to confirmation
MOTI Management of Technology and Innovation RESEARCH METHODOLOGY AND GENERIC SKILLS	MOTI Management of Technology and Innovation 11th Annual Distinguished Lectures Series
ESD Sem	Weekly group seminar discussions
Practitioner Viewpoint Series (fortnightly seminars with industrial guests)	

INNER CORE (Mandatory)

ESD 100 Concepts, Vales and Change Processes Professor Peter Guthrie / Dr H Cruickshank (100% cw)
ESD 200 Sustainability Methods and Metrics Dr Dick Fenner / Dr Heather Cruickshank et al (100% cw)

OUTER CORE (Choose 2 from 4 modules)

ESD 300 Sustainability Assessment of Large Infrastructure Projects Professor Peter Guthrie (100% cw)
ESD 400 Economic, Legal and Regulation Issues Professor N. Ashford (MIT) (100% cw) (to be confirmed)
ESD 500 Sustainable Design and Implementation Dr Dick Fenner et al (100% cw)
ESD 600 Development Engineering Dr H Cruickshank (100% cw)

Elective Modules – (choose TWO modules in each Term)

Centre for Sustainable Development:

ESD 45 Environmental Engineering (GP) (subject to numbers) (100% cw)	4D15 Sustainable Water Engineering (RAF) (100% cw)
Outer core modules not already chosen (up to 2) (100% cw)	

Department of Engineering

4B14 Solar-electronic power: generation and distribution (Exam and cw)	4E5 International Business Economics (cw)
4B19 Renewable Electrical Power (Exam)	4E4 Management of Technology (cw)
4D13 Architectural Engineering (cw)	4E11 Strategic Management (cw)
4D14 Contaminated Land and waste containment (Exam and cw)	4E12 Project Management (cw)
4E6 Accounting and Finance (cw)	4G4 Biomimetics (cw)
4I7 Electricity and the Environment (cw)	4 M15 Sustainable Energy (Exam and cw)
	5R18 Environmental Fluid Mechanics (Exam)

Judge Business School

TP1 Introduction to Technology Policy (cw)	TPE7 Political Economy of Technology Policy (cw)
TP 6 Uncertainty and real options in system Design (cw) (subject to December role play dates)	TPE10 Government Policy towards technology Development (cw)
TPE8 Systems Dynamics (cw)	TP4 Complexity and Negotiations (Easter Term) (cw)
MM20 Environment and Sustainability* (cw)	

Cambridge University

ESD - A1 Environmental Design in Architecture 1(cw)	ESD-CE2 Sustainability and Chemical Engineering (exam)
ESD – Geog: Politics Society and Nature* (cw)	EP04 Sustainability & international environmental policy* (exam)) Pre-requisite required
EP02 - Fundamentals of environmental economics*(cw)	EP10 Climate Change Policy and Land Development* (exam)
* a cap will be placed of approx 5 ESD students per module	EP06 Aspects of environmental policy-making * (cw and exam)

Students are allowed a free choice of 4 of the above modules (2 per term), at the discretion of the Course Director, and subject to resource constraints based on minimum numbers of students required to offer each module.

12,000 to 15,000 word DISSERTATION; April to August 2013