

## Subject Specific Training – MSc Modules Available to SCENARIO Students

The lists below are abridged. For full module lists:

University of Reading MSc Modules: <http://www.reading.ac.uk/module/school.aspx?acyr=2019/20&sacyr=1920>

University of Surrey Modules: <https://catalogue.surrey.ac.uk/2019-0>

### Agriculture, Policy and Development, University of Reading

APMA102	Ecosystem Services
APMA41	Agriculture in the Tropics
APMA89	"Water, Agriculture and Irrigation"
APMA90	Climate change and food systems
APMA93	Experimental Agriculture
APME72	Agricultural Project Planning and Management in Developing Countries
IDM099	Global Environmental Change, Justice and Development
IDM063	Macroeconomics for Developing Countries
IDM070	Microeconomics for Developing Countries
IDM075	Microfinance
IDM077	Food Security and Development
APMA101	Business Planning and Control
APMA105	Horticultural Crop Technology
APMA96	"Plants, greenspace and urban sustainability"
APME75	"Energy, Climate Change and Development"

## Archaeology, Geography and Environmental Sciences, University of Reading

GV344	Culture and Development in Africa
GV3AP	Air Pollution: Effects and Control
GV3CC	Climate Change
GV3CPS	Consumption, politics and space
GV3CJS	"Climate Policy, Justice and Society"
GV3DLE	Dryland Environments
GV3EDL	Environment and Development in Latin America
GV3ESM	Ecosystems Modelling
GV3EVP	Environmental Pollution
GV3I7	Carbon and Global Change
GVMPPF	Preparing for Floods
GV3RSD	Resilience for Sustainable Development
GV3TRC	Tropical Rainforests, Climate & Lost Civilisations
GVMCC	Climate Change
GVMQAD	Quantitative Analysis of Environmental Data
GVMSWQ	Soils and Water Quality

## Biological Sciences, University of Reading

BIMEC2	Vertebrate Conservation
BIMWM2	Current Issues in Conservation

## Centre for Environment and Sustainability, University of Surrey

ENGM064	FOUNDATIONS OF SUSTAINABLE DEVELOPMENT
ENGM066	ENVIRONMENTAL AUDITING AND MANAGEMENT SYSTEMS
ENGM067	SUSTAINABLE DEVELOPMENT APPLICATIONS
ENGM069	CORPORATE, SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

## Chemical and Process Engineering, University of Surrey

ENGM245	SOLAR ENERGY TECHNOLOGY
ENGM246	WIND ENERGY TECHNOLOGY

## Chemistry, University of Surrey

CHE3041	PHYSICAL CHEMISTRY (DISTANCE LEARNING)
CHE3042	STRUCTURE AND SPECTROSCOPY IN INORGANIC CHEMISTRY (DISTANCE LEARNING)

### **Chemistry, University of Reading**

CH4AN1	Advanced Analytical Techniques for the Molecular Sciences
CH4I2	Catalysis
CH4I3	Functional Inorganic Materials
CH4O1	Advanced Organic Chemistry - Synthesis of Complex Targets (2)
CH4PC	Polymer Chemistry

### **Civil and Environmental Engineering, University of Surrey**

ENG3177	ENVIRONMENTAL ENGINEERING AND HYDROLOGY
ENGM057	WATER RESOURCES MANAGEMENT AND HYDRAULIC MODELLING

### **Computer Science, University of Reading**

CSMBD16	Big Data Analytics
CSMCC16	Cloud Computing
CSMDM16	Data Analytics and Mining
CSMIA19	Image Analysis
CSMML16	Machine Learning

### **Construction Management and Engineering, University of Reading**

CEM216	International Construction Labour
CEM220	Urban Sustainability
CEM223	Urban Microclimates
CEM224	Carbon Management
CEM226	ICT and Energy Management
CEM221	Energy in Buildings
CEM242	Advanced Visualisation and Interactive Technologies
CEM236	Environmental Quality and Well-being
CEM227	Renewable Energy in Power Systems
CEM229	Green Building Assessment

## Electrical and Electronic Engineering, University of Surrey

EEEM033	SATELLITE REMOTE SENSING
EEEM046	SATELLITE COMMUNICATIONS
EEEM048	INTERNET OF THINGS
EEEM049	SPACECRAFT STRUCTURES AND MECHANISMS
EEEM057	SPACE ENVIRONMENT AND PROTECTION
EEEM058	RENEWABLE ENERGY TECHNOLOGIES

## Mathematics and Statistics, University of Reading

MA4AST	Applied Stochastic Processes
MA4SMA	Statistical Mechanics and Applications
MA4XJ	Integral Equations
MA4PD2	Partial Differential Equations II

## Mathematics, University of Surrey

MAT3003	BAYESIAN STATISTICS
MAT3008	LAGRANGIAN & HAMILTONIAN DYNAMICS
MAT3015	NUMERICAL SOLUTION OF PDES
MAT3041	MATHEMATICAL FLUID MECHANICS
MATM027	NONLINEAR WAVE EQUATIONS

## Meteorology, University of Reading

MTMA32	Measurements and Instrumentation
MTMA39	Forecasting Systems and Applications
MTMCC	The Science of Climate Change (M-level)
MTMG01	Introduction to weather systems
MTMG02	Atmospheric Physics
MTMG06	Statistics for Weather and Climate Science
MTMG16	Climate Change
MTMG19	Tropical weather systems
MTMG21	Oceanography
MTMG25	Hazardous weather analysis
MTMG38	Remote Sensing
MTMG49	Boundary Layer Meteorology and Micrometeorology
MTMG60	Atmospheric Chemistry and Transport
MTMW11	Fluid Dynamics of the Atmosphere and Oceans
MTMW12	Introduction to Numerical Modelling
MTMW14	Numerical Modelling of Atmospheres and Oceans
MTMW15	Extra-tropical Weather Systems
MTMW20	Global Circulation of the Atmosphere & Ocean
MTMW97	Fluid dynamics of the atmosphere and oceans (HDR)
MTMG44	Hydrology and global environmental change
MT4YN	Atmospheric Electricity

