De Montfort University

Course Template

1. Basic information

- Course Name: Energy and Sustainability Management
- Course Code: CE401A
- Level (UG, PG): Undergraduate
- Academic Period: 2014
- Faculty: Faculty of Technology
- Department: Energy & Sustainable Development
- PMB ENGT
- Offered at: DM - DMU Leicester
- Type (single, joint.): SI
- Highest Award : Bachelor of Science (Honours)
- All possible exit awards : Bachelor of Science; Certificate of Higher Education; Diploma of Higher Education; Institutional Undergraduate Credit
- Award notes :

Professional Body Recognition

- Accreditation by Professional/Statutory body:

No

- Exemption by Professional/Statutory body:

No

- Details

- Modes of attendance: Main MOA: Full-Time
  Other MOA: Part-Time; Year Out/On Placement
- Mode Notes:
- Course leader:

2. Entry Requirements and Profile

Applicants should normally be 18 years of age by the 1st of October in the year of entry. Candidates should offer one of the following: (i) Two GCE A Levels, excluding key skills and general studies. An AS-Level is deemed equivalent to half an A-Level. (ii) An Advanced GNVQ or a BTEC certificate in a relevant discipline with merit. BTEC Diploma in a relevant discipline. (iii) Any qualification deemed equivalent to the above. (iv) Applications are welcomed for individual consideration from candidates offering experience or prior learning in place of part or all of the formal entry qualifications. (v) Direct entry to level five with advanced standing is permitted for applicants who 16 can demonstrate their capability to undertake studies at degree level and have the prior knowledge/qualifications deemed equivalent to the level one studies. (vi) Direct entry to level six with advanced

standing is permitted for applicants with an existing ordinary degree in a suitable discipline.

3. Course Description

Characteristics and Aims

It is intended to equip students for careers such as professional management, consultancy and leadership roles in business and local government, environmental or CSR. It will provide students with the skills to offer practical and tangible solutions to climate change and sustainability alongside business and management skills. Key to this is the ability to think critically; engage hearts and minds and provide leadership, all of which will be underpinned by academic rigour. It will encompass a range of disciplines and blur the boundaries between physical and social sciences. Students will have the opportunity to engage with a range of disciplines, business leaders, practitioners and policy makers.

Teaching, Learning and Assessment Strategies

The general delivery of course material will be by lectures and tutorials and business case studies with industrial relevance being ensured through the use of guest speakers. Where appropriate opportunities to undertake fieldwork will be explored. Tutorials will be used to endorse the lecture material through solving examples. Where possible, topics will be illustrated by case study examples. Students will be encouraged to learn independently using literature sources, Internet and explore extra-curricular engagement with relevant organisations, for example charities and NGOs, to enhance their learning experience. Assessment methods and assessment criteria are vested in the individual modules constituting the programme. Each module template specifies the assessment methods, assessment criteria and reassessment details which are appropriate to the aims and objectives and the teaching and learning strategy of the module. Most modules are assessed by an end of year unseen exam supplemented by appropriate laboratory exercise and coursework. Coursework covers a wide range both in terms of type of coursework element and its contribution to the overall assessment of a module. Typical examples of coursework elements are: assignments (written, practical, investigative, individual, group and computer based), work based exercises, the individual project, oral presentations. An individual module may have one or more of these elements as its coursework component. Coursework may be distributed throughout the delivery of the module with direct feedback to students and, if this is the case, constitutes a formative assessment. The Faculty has a policy of internal and external moderation of all forms of assessment including contributory coursework. The External Examiner is a member of the programme management board (PMB) for the programme and therefore oversees student assessment and has a complete overview of the student experience and performance.

4. Outcomes

Generic outcome headings	**What a student should know and be able to do upon completion of the course**
• **Knowledge & understanding**	Upon successful completion of this course graduates should understand: • the need for a transdisciplinary approach in advancing knowledge and understanding of environmental sustainability, drawing, as appropriate, from the natural and social sciences • the impact of people, business and policy on processes which shape the natural world at different temporal and spatial scales and the extent to which organisations depend on environmental services • the terminology, culture and systems in both the business world and the environmental sciences • the contribution of business and policy to

	debates on environmental issues and how knowledge of commerce, energy and sustainability can form the basis for informed concern about the Earth and its people • a range of methods of acquiring, interpreting and analysing environmental and commercial data and the means of selecting the most appropriate contexts for their use • strategy and policy formation appropriate to sustainable operations in a globalised business context
• **Cognitive skills**	Upon successful completion of this course students should be able to • recognize, use, and challenge the existing theories, paradigms, concepts and principles. • analyse, synthesise and summarise information critically, including prior research • collect and analyse quantitative and qualitative data • apply knowledge and understanding to complex and multidimensional problems in familiar and unfamiliar contexts • critically recognise and identify the moral and ethical issues of business and its obligations towards a sustainable future
• **Subject specific skills**	Student who complete this course will be able to: • To collect and analyse energy data relevant to the built environment • To communicate issues of sustainability to technical, commercial and business audiences • To write clear, concise and persuasive technical reports • To plan and implement a programme of environmental change
• **Key Skills**	Upon successful completion of this course students will: • Be confident in handling and analysing complex information and arguments and use this information to justify their decisions. • Be able to select and use appropriate research techniques in the real world and manage their activities in a responsible and safe manner • Be able to communicate appropriately to a variety of audiences in written, verbal and graphical forms through a range of media, for example, information & communications technology • Have excellent interpersonal and teamwork skills • Be capable of self management and have acquired professional development skills including working independently, time management and organisation skills • Be able to set, manage and achieve their own targets for personal, academic and career development

5. Structure and Regulations

Relationship Details

Module	Credits	Level	Take/Pass	Semester	Locations
ACFI1203	**15.00**	**1**	**Must Take**	**Y**	**DM**
CORP1518	**15.00**	**1**	**Must Take**	**Y**	**DM**
CORP1528	**30.00**	**1**	**Must Take**	**Y**	**DM**
ENGD1034	**30.00**	**1**	**Must Take**	**Y**	**DM**
ENGD1035	**30.00**	**1**	**Must Take**	**Y**	**DM**

Structure

Structure notes

Course Specific Differences or Regulations

Numbers at sites, including partner institutions

Relevant QAA Subject Benchmarking statement(s)

6. Quality Assurance Information

QA of Workbased Learning

Liaison with Collaborative Partners

Procedures for Maintaining Standards

Course Handbook Descriptor