UNIVERSITY OF DERBY

College of Engineering and Technology
Department of Engineering
Electrical and Electronic Engineering

College of Engineering and and Technology

Sustainable Energy Systems
Module Code: 4EJ509

MODULE HANDBOOK

AY: 2014-2015

Module leader: Dr. Mahmoud Shafik, **BEng. (Hons) MSc MPhil PhD CEng FHEA MIET MASME**

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Validated module specifications – June 2014

Welcome to the Sustainable Energy Systems module:

This handbook provides key information about the module and provides everything you need to get started with your studies. This includes the validated module specifications, learning schedule, assessment specifications and assessment criteria, supplementary information, and contact details of key module staff and support departments.

It is really important that you familiarise yourself with the information in this handbook and that you note in particular key facts and key dates listed below. It is also important to note that a wider range of information and interactivity is provided online in Course Resources. Please make sure that you engage regularly with online module information and that you check your unimail email account for module related updates and general learning communication. Make a plan using this handbook for guidance and monitor your progress.

Sustainable Energy Systems is a module that addressing the scientific, engineering and technical aspects of global concerns about the availability of energy sources, sustainability of these sources and environmental concerns. Environmental concerns have been highlighted as the greatest challenge facing the world in this century. The module has been designed to provide the necessary knowledge and information of renewable energy resources, technology and their industrial demand. It presents a wide-ranging introduction to the field of renewable energy systems. It is mainly focussing on natural green sources of energy which can be easily converted to electrical form, energy in transport, energy & buildings and energy in various industrial process and applications. It is expected you will gain a clear understanding of the technical implications of providing sustainable electrical energy. The module prepares you for further studies in renewable energy systems, electrical power systems, electrical and electronic engineering.

Module Title: Sustainable Energy Systems

Module Code: 4EJ509

Pre-requisite: None

No. of Credits: 20

Credit Level: 4

Mandatory Pre-requisite: None

Co-requisite: None

Learning Hours: 200

Key Words: sustainable energy, transport, smart buildings, renewable, solar, wind turbine.

Module Delivery: Face to Face

Lecture / Tutorial:

Mondays: 15:00 – 17:00 - UG Semester_2 - Room: MS129
Mondays: 18:00 – 19:00 – Odd weeks - Room: MS210 – group_1
Mondays: 18:00 – 19:00 – Even weeks - Room: MS210 – group_2

Practical:

Wednesdays: 13:00 – 14:00 - UG Semester_2 - Room: MS123

MODULE DESCRIPTION: Sustainable Energy Systems is a module that addressing the scientific, engineering and technical aspects of global concerns about the availability of energy sources, sustainability of these sources and environmental concerns. Environmental concerns have been highlighted as the greatest challenge facing the world in this century. The module has been designed to provide the necessary knowledge and information of renewable energy resources, technology and their industrial demand. It presents a wide-ranging introduction to the field of renewable energy systems. It is mainly focussing on natural green sources of energy which can be easily converted to electrical form, energy in transport, energy & buildings and energy in various industrial process and applications. It is expected you will gain a clear understanding of the technical implications of providing sustainable electrical energy. The module prepares you for further studies in renewable energy systems, electrical power systems, electrical and electronic engineering.

MODULE LEARNING OUTCOMES:

On successful completion of the module, you will be able to:

1. Analyse the technological factors that governing efficient energy utilisation in transportation, buildings, industrial process and service.
2. Explain energy demand and the principles underlying the design of energy supply systems.
3. Evaluate the potential of renewable resources and their comparison to other sustainable energy sources.

MODULE CONTENT:

Energy systems
World energy demand, technology, financial aspects and environmental impact of deriving energy from fossil fuels, nuclear fuels, hydropower and Biofuels, Electricity generation, transmission and distribution

Renewable energy systems
An overview of solar thermal, hydro, photovoltaic, wind, wave, tidal, geothermal and Bioenergy sources, the design of renewable electrical energy generation systems and grid connection

Energy in transport
The energy budget and environmental factors of road, rail and air transport systems. Sustainability issues of transport systems. The application of technology to achieve sustainable transport systems

Energy and buildings
Evaluating and managing the energy demand and losses of buildings.

Case Studies and Sustainable Electrical Power Applications
Case studies of sustainable energy systems and their industrial applications in industrial process and services, aerospace, automotive and railway applications

MATLAB/SIMULINK
Introduction, MATLAB Principles and Implementation, SIMULINK Principles and Implementation, Renewable Energy Application

MODULE LEARNING AND TEACHING METHODS:
There will be 12% of the total hours lectures, in which key features of Sustainable Energy Systems will be introduced. This will include study of selected number of industrial applications and the use of Sustainable Energy Systems.
12% of the total hours will be allocated for the practical work. You will be given a set of tasks to design, simulate, build and test against (i.e. an application of Problem Based Learning). This is to be part of the module course work.

Scheduled learning and teaching activities: 25%

Guided independent study: 75%

MODULE ASSESSMENT METHODS:
Assessment Weighting 100% Coursework

Formative: You will be given formative feedback in laboratory sessions as they undertake specified tasks to prepare their coursework.

CW1: 50% Learning Outcome 1
Individual written assignment: A critical assessment of the energy efficiency and environmental impact of either a defined building or a defined transport system. (Approx. 2,000 words)

CW2: 50% Learning Outcomes 2 & 3
Individual written assignment: The design of a sustainable energy supply system to meet the demands of a small community. (Approx. 2,000 words)

Please note that the rules on academic offences will always be applied. Make sure you have a complete understanding of what constitutes plagiarism and collusion. More details regarding academic regulations and offences can be found at: www.derby.ac.uk/regs http://www.derby.ac.uk/online/ongoing-support/academic-offences

READING LIST:

1. Energy Systems and Sustainability, Godfrey Boyle, Bob Everett and Janet Ramage, Oxford University Press, ISBN 0199261792.

2. Renewable Energy, Power for Sustainable Future, Godfrey Boyle, Oxford University Press, ISBN 0199261784.

3. Building Blocks for Sustainable Transport, Adriaan Perrels, Veli Himanen, Martin Lee-Gosselin, Elsevier Science, ISBN 0080447090.

4. Sustainable Energy System Engineering: The Complete Green Building Design Resource, Peter Gevorcian, Mc-Graw Hill, ISBN 0071473599.

5. Renewable Energy: Sustainable Energy Concepts for the Future, Roland Wengenmayr, Thomas Bührke, Wiley, ISBN 3527408047.

Accommodation and Equipment:

This module will make use of the e-learning, online research facilities and available electrical and electronics laboratory and computer software facility at the Markeaton site - MS123 & MS210 & MS215.

HEALTH AND SAFETY

All activity will be taking place in University lecture space and computing labs.

Risk assessments covering these activities can be found:

http://www.derby.ac.uk/adt/healthandsafety

LEARNING SCHEDULE

Cams Wk	Teaching Wk	Material covered
25	1	Introduction to sustainable energy systems, World energy demand, various renewable energy resources and associate technology.
26	2	Economic aspects and environmental impact of deriving energy from renewable energy resources and possible manufacturing technology Introduction to MATLAB
27	3	Introduction to Renewable energy systems and technology, Nuclear, Hydropower and Biofuels fuels resources, technology, economic and environmental impact
28	4	Solar thermal, hydro, photovoltaic resources, technology economic and environmental impact. wind, wave, tidal resources, technology economic and environmental impact Introduction to SIMULINK
29	5	An overview of geothermal Bioenergy resources, technology economic and environmental impact. The design of renewable electrical energy generation systems and grid connection.
30	6	Renewable Power Energy Systems Application and Future Plans across EU and worldwide, Industrial Case Studies SIMULINK –Applications
31	7	Introduction to Renewable Energy System Applications in transport. The energy budget and environmental factors of road, rail and air transport systems.
32	8	The energy budget and environmental factors of road, rail and air transport systems. Sustainability issues of transport systems. The application of technology to achieve sustainable transport systems SIMULINK –Applications
33	9	Introduction to Energy and buildings
34	10	Evaluating and managing the energy demand of buildings
35	11	Evaluating and managing the energy losses of buildings
36	12	Revision

Note: A full copy of the undergraduate calendar can be located at:

http://www.derby.ac.uk/studentatoz/academic-calendar/2012-13-calendar

COURSEWORK SPECIFICATIONS

Coursework Title:	**A critical assessment of the energy efficiency and environmental impact of either a defined building or a defined transport system**
Key Words:	Renewable Energy Systems, Energy Efficiency, Environmental Impact
Equipment:	Wing and Solar Thermal System Test Rigs, Markeaton Street Building etc…
Software Tools:	NATIONAL Instrument-MULTISIM & MATLAB/SIMULINK etc. …
Weighting:	50%
Submission Deadline:	Submission of the final report by 21:00 hours Tuesday the 22nd of Feb. 2015
Submission, Format and Process:	Research reports will be submitted via Turnitin online submission system via the module area of Course Resources. Submissions need to be made using standard text document using black text on white paper in 11 point font size. Further guidance is available via the Turnitin submission interface.
Description:	Efficient energy use, sometimes simply called energy efficiency, is the goal of efforts to reduce the amount of energy required to provide products and services. For example, insulating a home allows a building to use less heating and cooling energy to achieve and maintain a comfortable temperature. Installing fluorescent lights or natural skylights reduces the amount of energy required to attain the same level of illumination compared to using traditional incandescent light bulbs. Compact fluorescent lights use two-thirds less energy and may last 6 to 10 times longer than incandescent lights. Improvements in energy efficiency are most often achieved by adopting a more efficient technology or production process [Reference 1]. There are various motivations to improve energy efficiency. Reducing energy use reduces energy costs and may result in a financial cost saving to consumers if the energy savings offset any additional costs of implementing an energy efficient technology. Reducing energy use is also seen as a key solution to the problem of reducing greenhouse gas emissions. According to the International Energy Agency, improved energy efficiency in buildings, industrial processes and transportation could reduce the world's energy needs in 2050 by one third, and help control global emissions of greenhouse gases [Reference 2]. Energy efficiency and renewable energy are said to be the twin pillars of sustainable energy policy. In many countries energy efficiency is also seen to have a national security benefit because it can be used to reduce the level of energy imports from foreign countries and may slow down the rate at which domestic energy resources are depleted. A critical assessment of the energy efficiency and environmental

impact of either a defined building or a defined transport system [Reference 3]

You are required to submit an assignment of 2,000 words (+/- 10%). Directed studies work introduced in the lecture, laboratory & tutorial sessions will form the basis for most of the assignment topics but you are encouraged to extend the assignment according to your own interests and professional skills development needs and to use the assignment as a platform for becoming more proactive with circuit design, analysis, simulation, development activities and wider personal development opportunities.

The assignment must include and explore the following prescribed four topics:
Carry out a series of investigation using possible resources, such as IT resources and other possible resources available. This is to focus on energy efficiency and environmental impact of either a defined building or a defined transport system,
Carry out a series of computer simulation for possible renewable energy sources using MATLAB and Power Simulation Software available in MS123 and MS210,
Analyse the results of your survey and provide the necessary graphical analysis of the results,
Explain your own thoughts and observation of your finding

Full details will be provided in learning and teaching sessions and published via Course resources URL:
https://courseresources.derby.ac.uk/my.policy.
In fundamental nature the assignment is designed to support your development as an undergraduate learner and to outline a process of personal verification and evaluation. The purpose of learning is to develop competent graduates that are knowledgeable, creative, new capabilities of design and build skills and vision to bring fresh potential ideas to business. Use this assignment as a first step in redefining yourself as a professional.
In completing this assignment the student will have developed skills in:
Energy efficiency and environmental impact of either a defined building or a defined transport system,
Sources of renewable energy,
A potential experience with Power Simulation software such as MATLAB & SIMULINK and PSS-SINCAL,
Building and testing actual energy source system using available test rigs In MS123.
Assignment resources:
The University of Derby, Faculty of Arts Design and Technology, Electrical Power Laboratory.
Use of available machines measurement and test rig available on the Electrical Power laboratory MS123 to build a series of test circuits
Lecture notes available on the university black board
Reference text books available in the library

Coursework Title:	**Design of a Sustainable Energy Supply System to Meet the Demands of a Small Community**
Key Words:	Renewable Energy Systems, Wind, Solar, Hydropower, gas, Biofuel
Equipment:	Wing and Solar Thermal System Test Rigs
Software Tools:	NI-MULTISIM & MATLAB etc. …
Weighting:	50%
Submission Deadline:	Submission of the final report by 21:00 hours Thursday the 9th of April 2015
Submission, Format and Process:	Research reports will be submitted via *Turnitin* online submission system via the module area of Course Resources. Submissions need to be made using standard text document using black text on white paper in 11 point font size. Further guidance is available via the *Turnitin* submission interface.
Description:	Sustainable energy is the provision of energy such that it meets the needs of the present without compromising the ability of future generations to meet their needs. Sustainable energy sources are most often regarded as including all renewable sources, such as plant matte, solar power, wind power, wave power, geothermal power, and tidal power. It usually also includes technologies that improve energy efficiency. Conventional fission power is sometimes referred to as sustainable, but this is controversial politically due to concerns about peak uranium, radioactive waste disposal and the risks of disaster due to accident, terrorism, or natural disaster. The main task of this assignment is to provide a report that covers the Design of a Sustainable Energy Supply System to Meet the Demands of a Small Community. You are required to submit an assignment of 2000 words (+/- 10%). Directed studies work introduced in the lecture, laboratory & tutorial sessions will form the basis for most of the assignment topics but you are encouraged to extend the assignment according to your own interests and professional skills development needs and to use the assignment as a platform for becoming more proactive with circuit design, analysis, simulation, development activities and wider personal development opportunities. The assignment must include and explore the following prescribed four topics: (1) Carry out a series of investigation into the available Sustainable Energy Supply System using possible available IT resources and other possible resources available and report you findings. (2) Select the possible system that could provide the community needs and demands. This could be one system based on renewable energy technology or a combination of two or more technology. This is mainly

depending on the community geographical location and this is an option.

(3) Download the data sheet for the possible system components and conduct an investigation into the short and long term economic and environmental impact.

(4) Carry out the necessary computer simulation for possible renewable energy sources that could be used using MATLAB and Power Simulation Software available in MS123 and MS210

(5) Analyse the results of your of your investigation and provide the necessary analysis of the outcomes.

(6) Explain your own thoughts and observation of your finding and future implication of implementing renewable energy system in, domestic applications.

Full details will be provided in learning and teaching sessions and published via Course resources URL: https://courseresources.derby.ac.uk/my.policy.

In fundamental nature the assignment is designed to support your development as an undergraduate learner and to outline a process of personal verification and evaluation. The purpose of learning is to develop competent graduates that are knowledgeable, creative, new capabilities of design and build skills and vision to bring fresh potential ideas to business. Use this assignment as a first step in redefining yourself as a professional.

In completing this assignment the student will have developed skills in:

- Explain energy demand and the principles underlying the design of energy supply systems.
- Evaluate the potential of renewable resources and their comparison to other sustainable energy sources.
- A potential experience with Power Simulation software such as MATLAB & SIMULINK and PSS-SINCAL
- Building and testing actual energy source system using available test rigs in MS123 & MS210 & MS215

Assignment resources:

The University of Derby, Faculty of Arts Design and Technology, Electrical Power Laboratory.
Use of available machines measurement and test rig available on the Electrical Power laboratory MS123 to build a series of test circuits
Lecture notes available on the university black board
Reference text books available in the library
Energy Systems and Sustainability, Godfrey Boyle, Bob Everett and Janet Ramage, Oxford University Press, ISBN 0199261792.
Renewable Energy, Power for Sustainable Future, Godfrey Boyle, Oxford University Press, ISBN 0199261784.
Renewable Energy: Sustainable Energy Concepts for the Future, Roland Wengenmayr, Thomas Bührke, Wiley, ISBN 3527408047.

ASSESSMENT DESCRIPTORS COURSEWORK

Percentage	Grade Descriptors	Outcome	Class
90-100%	**Exceptional quality work.** The assignment report demonstrates considerable engagement with focused academic topics and an exceptionally detailed and considered approach to learning and essential enquiry. Understanding connections are established between information sources, theoretical perspectives and related concepts and ideas and the assignment title interpreted in an original and creative way. Trivial weaknesses only.	LEARNING OUTCOMES HAVE BEEN MET	First
80-89%	**Excellent quality work.** The assignment report is detailed, concise and demonstrates considerable interaction with academic study sources. A significant range of information is drawn together in a meaningful and productive manner and information is presented in a highly logical and coherent style. Very minor criticisms only.		
70-79%	**Very good to excellent work** incorporating detailed consideration of a wide range of relevant information and ideas. The assignment title is interpreted in a consistent and rigorous way with a high level of detail and clarity. Very minor issues only.		
60-69%	**Very good** work incorporating a significant level of information and depth and detail of study and evaluation. Information sources are appropriate and numerous and evaluation completed carefully and methodically. The assignment title is interpreted effectively and a relatively clear line of enquiry maintained. There is scope for more detailed engagement with substantial study sources and wider subject information, and for clearer synthesis of concepts and ideas. Minor issues only.		Upper Second
50-59%	**Good** work indicating a consistent engagement with the assignment objectives and consideration of relevant study and information. Some connections are established between information sources and a sound level of historical and contextual understanding is demonstrated. There is scope for more evidence of focused academic study, synthesis of information drawn from information sources, or more meaningful connection to be established between concepts, theories and ideas. Some inaccuracies or weaknesses apparent.		Lower second
40-49%	**Satisfactory** standard work that successfully addresses each of the specified requirements. Clear evidence is provided of study and consideration of the selected study topic. Work would be improved through more detailed review of topics literature, including more focused academic sources, Some clear errors, weaknesses or misunderstandings in evidence.		Third
35-39%	**Unsatisfactory** work incorporating some aspects of the required assignment components but indicating significant lack of understanding or failure to connect understanding gained through study effectively with the selected study topic.	Learning outcomes not met	Marginal Fail
1-34%	**Very poor work** indicating an incomplete submission or generally superficial engagement with the assignment objectives. Some outline information but nothing to substantiate meaningful interaction with the notional learning time. No evidence of understanding or evidence of serious misunderstanding.		Fail
NS	**Non-submission:** No work has been submitted.		
Z	**Academic offence notation:** Applies to proven instances of academic offence.		

Note: An assignment checklist will be published separately to support effective personal evaluation of assessed work prior to submission. The university assessment grading scale and related regulations can be accessed via: http://www.derby.ac.uk/academic-regulations

Sustainable Energy Systems - CODE: 4EJ509 LABORATORY EXERCISES
RECORD OF RISK ASSESSMENT

Assessment Reference	**UOD – Electrical/Electronic Laboratory**
Activity assessed	**Experimental Procedures on Electrical / Electronic Equipment**
Persons who may be affected by the activity	**Students, Academic Staff, Technician Staff, Short Course Participants, Open Day and other Visitors, Cleaning Staff.**

SECTION A : Initial Assessment Overview

Consider the activity or work area and identify if any of the hazards listed below are significant.

1	Fall of person		7	Machinery		13	Electricity	√	19	Substances		25	Drowning	
2	Fall of objects	√	8	Tools/Equipment	√	14	Noise or Vibration		20	High Pressure		26	Psychological effects	
3	Tripping/Slipping	√	9	Mobile work equipment		15	Hot / Cold Surfaces		21	Fire/ explosion	√	27	Human error	√
4	Manual handling operations	√	10	Mechanical lifting equipment		16	Workstation – layout / space		22	Lighting		28	Violence	
5	Repetitive work		11	Display screen equipment	√	17	Radiation		23	Confined space		29	Peripatetic / lone working	
6	Housekeeping / waste material		12	Sharp objects		18	Temperature / weather		24	Buildings & glazing		30	Other(s)	

SECTION B: Second Stage Assessment

S = Severity

For each hazard identified in Section A complete Section B *L = Likelihood*

Hazard No.	Hazard Description	EXISTING CONTROL MEASURES	S	L	Residual Risk
2	Fall of objects within the storage area	Safe storage of all equipment, objects, tools and materials	2	1	Tolerable risk
3	Trip on obstructions	Good housekeeping. Student bags out of gang way All electrical cables routed safely All materials stored away All floor surfaces in good condition Maintenance Socket system for fault reporting	1	2	Tolerable risk
4	General handing of equipment, furniture, tools and materials	Each student given a clear explanation and guidelines on how to use and handle equipment before use General instruction on handling techniques during induction Portering services used for larger items Special consideration for new and expectant mothers, see University policy; Safety of New and Expectant Mothers	2	1	Tolerable risk
11	Display screen equipment Physiological effects including posture	Use of display screens to be time limited in accordance with the university policy on the use of display screen equipment	1	2	Tolerable risk

8,9,13	Risk of electrical shock Contact with live parts of fixed installation. Electrical risk from faulty portable electrical appliance	All electrical equipment Portable Appliance Tested (PAT) and stickers used to indicate electrical safety status. Health and safety talk given at induction. Each student signs the Health and Safety Booklet to indicate that they have read and understood the details. Power supplies for electronic circuits leading to exposed voltages restricted to below 50V dc Connection to 3-phase supplies is restricted by padlock; only performed under the direct supervision of a key holder, who is a competent member of staff. There must be no exposed live parts having voltages in excess of 40V ac or 50V dc with respect to earth. Equipment connected to single or 3-phase supplies must be adequately earthed. All live parts fully enclosed. University policy on Electrical Safety applied - http://www.derby.ac.uk/adt/healthandsafety	4	1	Tolerable risk
21	Fire resulting from electrical equipment	Electrical equipment well maintained and tested. Evacuation procedures (General)	3	1	Tolerable risk
All		Normal working is in classes while under staff supervision. Students may also access the space for a specific period by permission from technician or academic staff. Lone working is not permitted.			

Assessor(s)	Dr. Mahmoud Shafik		Signed	
Date of Assessment		Revision No.	3	

General Module Information:
For this module you should expect to manage approximately 150 hours of personal study and assignment preparation time during the 12-week semester alongside the timetabled sessions. This equates to approximately 12 hours per week in directed study work alongside 4 hours per week in lectures and tutorials.

Attendance at taught sessions is critical to ensure successful completion of assessed work and a compulsory requirement of the Module. Un-notified absence is in breach of University regulations. Notification of an unavoidable absence from a Lecture, Seminar, or Tutorial should be submitted in advance (wherever practicable) via the online absence notification system: http://www.derby.ac.uk/ssis/forms/student-sickness-notification/he-student-sickness-notification-form

Help, support and well-being:
Balancing the demands of undergraduate study with other life commitments and opportunities can be challenging and there will be occasions when the level of challenge becomes significant. If you need help or support, please ask.

Module related questions and queries should be addressed within the Tutorial sessions and via online module discussion boards. If you are unsure about anything, or if you think you are struggling with any aspect of the coursework, please contact the module leader via email at: m.shafik@derby.ac.uk. If you experience any problems that disrupt your studies please contact your Personal Tutor, Programme Leader, Subject Leader or the School Student Liaison Officer as soon as possible. There are also a number of additional support services available and information is available online at: http://www.derby.ac.uk/student-wellbeing

You will have been allocated a personal tutor for your studies. Your personal tutor may contact you to arrange meetings on an interim basis and will publish information about available times for drop-in contact or discussion throughout the academic year. It is important that you take advantage of this support and that you feel able to contact your personal tutor whenever you need help relating to your studies. Please do familiarise yourself with your personal tutor and get in touch whenever you need support.

It is important that you familiarise yourself with the appropriate section of the general university health and safety regulations to ensure your wellbeing: http://www.derby.ac.uk/adt/healthandsafety

A range of support services is available for undergraduate students. The Kedleston Road library houses a range of resources to support student learning. Information is available online at: http://www.derby.ac.uk/library/. Further support services information and advice is available via the Student Information Centres at Markeaton Street and the ground floor of B block, Kedleston Road.

Access to Facilities:
Computing facilities are normally available for access outside of teaching hours whenever the university is officially open. The university publishes opening hours including weekend access times here: http://www.derby.ac.uk/estatemanagement/campus-opening-hours

Assessment regulations and processes:
In order to reduce unnecessary travel and queuing time for students, the University is moving to electronic submission (e-Submission) of all assignments where this is possible. Your tutor will advise you if this is not the case for the assignments of this module.

Start by taking a look at the e-Sub website www.derby.ac.uk/esub as this is the main site supporting students with e-Submission and provides support documents and videos to talk you through the whole process.

You will also find a printable guide In the Assessments area of your module called *Electronic Submission Guide for Students* this will talk you through the submission process and guide you to further resources to help you submit your work.

Full details about assessment specifications will be provided in lectures and tutorials. It is however important to familiarise yourself with the assessment regulations relating particularly to plagiarism and academic offences, and the significance of completing and submitting work on time. Assessment regulations are available from: http://www.derby.ac.uk/academic-regulations

If you experience significant personal difficulties that compromise your ability to complete assessed work by the stipulated deadline, please refer to the Exceptional Extenuating Circumstances regulations at: http://www.derby.ac.uk/eec

Should you receive referral opportunities in any or all coursework submissions, referred coursework components will be required for submission by 9pm, Monday 8th April 2015. Referral requirements will be published following the module results in January 2015 via Course Resources.