MODULE DESCRIPTOR

Module Title

Business Essentials

Reference	ENM203	Version	10
Created	August 2021	SCQF Level	SCQF 11
Approved	April 2006	SCQF Points	15
Amended	August 2021	ECTS Points	7.5

Aims of Module

This module aims to develop a working knowledge of various aspects of the business environment from an engineering perspective.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Demonstrate an awareness and understanding of Health, Safety and Environmental matters and determine the current legal obligations of a company operating in the UK.
2	Demonstrate detailed knowledge and application of fundamental project management planning concepts and techniques appropriate to the energy sector.
3	Identify the concepts of hazards and risks and critically evaluate appropriate techniques in their identification and analysis.
4	Critically reflect on and apply the principles of business economics and project finance in an energy sector context.
5	Demonstrate a critical understanding of the principal concepts and theories of human behaviour and psychological models and their application to team working in a project environment.

Indicative Module Content

Introduction to project planning, principles, fundamental concepts and strategies of project management, costs and CTRs. Analysis of project failures and disasters, identifying key lessons to be learned. Health Safety and Environmental system principles, processes and management. Safety management systems, roles and responsibilities of participants. Development of a safety culture. Understanding of uncertainty, risk and risk evaluation processes. Risk mitigation processes and strategies. Business process and economics. Profit and Loss. Financial valuation and accounting. NPV and related concepts. Introduction to team working, roles and responsibilities of project manager and team members. Types of team players, group dynamics. Psychological models, behavioural styles and type assessment. Communication, report writing, listening and coaching skills.

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Module Delivery

This is a lecture and tutorial based full time course, with case study work, plus private study and discussion. The course is available as an online distance learning module with online tutor support, case study tutorials and directed self-study. A blend of distance learning and direct attendance is also possible.

Indicative Student Workload	Full Time	Part Time
Contact Hours	60	54
Non-Contact Hours	90	96
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	50%	Outcomes Assessed:	1, 3
Description:	Report.				

Component 2

Type:	Examination	Weighting:	50%	Outcomes Assessed:	2, 4, 5
Description:	Closed book examination.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The module has 2 components and an overall grade D is required to pass the module. The component weighting is as follows: C1 is worth 50% and C2 is worth 50%.

		Examination:						
		A	**B**	**C**	**D**	**E**	**F**	**NS**
Coursework:	**A**	A	A	B	B	C	E	
	B	A	B	B	C	C	E	
	C	B	B	C	C	D	E	
	D	B	C	C	D	D	E	
	E	C	C	D	D	E	E	
	F	E	E	E	E	E	F	
	NS	Non-submission of work by published deadline or non-attendance for examination						

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Module Requirements

Prerequisites for Module	Normally a UK 2.2 honours degree or above, in Engineering or a related discipline. Proficiency in English language for academic purposes, or IELTS score of 6.5 or above in each part of the IELTS test.
Corequisites for module	None.
Precluded Modules	This module is not suitable for students following an MSc in Professional Studies programme unless they meet the entry qualifications stipulated in the University Regulations on admission and the prerequisites above.

INDICATIVE BIBLIOGRAPHY

1	HUGHES P. and FERRET E. (2010) Introduction to international health and safety at work: the handbook for the NEBOSH international general certificate. Oxford: Butterworth-Heinemann.
2	KERZNER H. (2017) Project management: a systems approach to planning, scheduling, and controlling. 12th Ed. Hoboken, New Jersey: Wiley.
3	LOCK D. (2013) Project management. Farnham: Gower.
4	REASON J. T. (1990) Human error. Cambridge [England]: Cambridge University Press.
5	TURNER J. R. (2014) The handbook of project-based management: leading strategic change in organizations. New York: McGraw-Hill Education.