

UNIVERSITY OF CENTRAL LANCASHIRE

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided.
Sources of information on the programme can be found in Section 17

1. Awarding Institution / Body	University of Central Lancashire
2. Teaching Institution and Location of Delivery	International College of Engineering & Management, Oman (Years 1 – 4) UCLan Preston Campus (year 4)
3. University School/Centre	Forensic and Applied Sciences
4. External Accreditation	Institute of Occupational Safety and Health (IOSH) applicable to Year 3/4 at ICEM only
5. Title of Final Award	B.Sc. (Honours) Health, Safety and Environmental Management
6. Modes of Attendance offered	Full Time, Yrs 1-4 Part Time – Oman (Yrs 1- 3) ; Yr 4- infill only
7a) UCAS Code	N/A
7b) JACS code	F751
8. Relevant Subject Benchmarking Group(s)	Environmental Studies section of ES3
9. Other external influences	National Examination Board of Occupational Health (NEBOSH), Institute of Occupational Safety and Health (IOSH)
10. Date of production/revision of this form	December 2006 PCR February 2013 February 2017 PCR April 2018 Amended August 2019
11. Aims of the Programme	
<ul style="list-style-type: none"> To produce resourceful, competent, clear thinking graduates with a range of skills and experience relevant to modern industry and commerce and in particular to develop a range of competences and underpinning knowledge for practising professionals in the field of health, safety and environmental management. To develop an understanding of the subject of health, safety and environment from a multidisciplinary and interdisciplinary perspective. To enable the graduates to apply their knowledge, understanding and skills to realistic situations and particularly in the context of the GCC region. To develop skills in communication, independent study, team working, problem solving, management and critical thinking which will equip graduates for the world of work and lifelong learning. 	

Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding
<p>A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.</p> <p>A2. Describe and apply concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems.</p> <p>A3. Evaluate the interrelationships between the professional inputs and the role of institutions, organisations and other stakeholders in managing and regulating Health and Safety at work and human interaction with the environment.</p> <p>A4. Apply and integrate knowledge and understanding from a variety of disciplines of Health, Safety and Environment in the workplace.</p> <p>A5. Demonstrate the capability for independent learning and life long learning in a professional career.</p>
Teaching and Learning Methods
Traditional Lectures often followed by directed self study; Seminars/tutorials; Laboratory activities; Industrial visits and lectures from practising industrialists; Directed project and investigative work both individually and in groups; Group discussions.
Assessment methods
Written assessments; Examinations; Technical Reports; Integrated assignments; Case study analysis; Essays; Seminar presentation.
B. Subject-specific skills
<p>B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.</p> <p>B2. Critically appraise current attitudes and methods and adopt a creative and innovative approach to Health, Safety and Environmental Management.</p> <p>B3. Plan, conduct, and report on investigations, including the use of secondary data, and to undertake such investigations in a responsible and safe manner, paying due attention to risk assessment, rights of access, relevant health and safety regulations, and to display sensitivity to the impact of investigations on the environment and stakeholders.</p>
Teaching and Learning Methods
Traditional Lectures often followed by directed self study; Seminars/tutorials; Laboratory activities; Industrial visits and lectures from practising industrialists; Directed project and investigative work both individually and in groups; Group discussions.
Assessment methods
Group and individual presentations; Mini projects; Reports; Examinations; Integrated assignments; Laboratory investigations; Case study/Scenario based analysis; Competency tests.
C. Thinking Skills
<p>C1. Select, collate, interpret and evaluate information from a range of sources.</p> <p>C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues.</p> <p>C3. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions.</p> <p>C4. Critically reflect upon the body of knowledge, methodologies, procedures and legislation related to Health, Safety and Environment and communicate the impact of these to individuals at different levels in an organisation.</p>
Teaching and Learning Methods
Directed self study; Seminars/tutorials; Laboratory activities; Industrial visits and lectures from practising industrialists; Project and investigative work both individually and in groups; Group discussions.
Assessment methods
Reports; Integrated assignments; Case study analysis; Seminar presentation; Examinations.
D. Other skills relevant to employability and personal development
<p>D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.</p> <p>D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.</p> <p>D3. Work autonomously and with others.</p> <p>D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.</p> <p>D5. Identify and work towards targets for personal, academic and professional development.</p>
Teaching and Learning Methods
Traditional Lectures often followed by directed self study; Seminars/tutorials; Directed project and investigative work both individually and in groups; Group discussions.
Assessment methods
Reports; Presentations; Integrated assignments; Reflective log; Mini projects.

13. Programme Structures*				14. Awards and Credits*
Level	Module Code	Module Title	Credit rating	
Level 6	FZ3511	Final Project	20	B.Sc. (Honours) Health, Safety and Environmental Management <u>International College of Engineering & Management, Oman students</u> Requires 480 credits with 300 credits at Stage 2, including a minimum of 480 credits at level 4 or above 280 credits at level 5 or above and 140 credits at level 6 or above. <u>Honours top-up students</u> B.Sc. (Honours) Health, Safety and Environmental Management Requires 120 credits at Level 6 comprising of FZ3511, NT3010, FZ3515, FZ3605, BN3720, and FV3103. B.Sc. Health, Safety and Environmental Management Requires 80 credits at Level 6 from FZ3511, NT3010, FZ3515, FZ3605, BN3720, FV3103.
	NT3010	Environmental Impact Assessment	20	
	FZ3515	Health and Safety in the Workplace	20	
	FZ3605	Carbon and Energy Management *	20	
	BN3720 FV3103	Health and Safety Management Hazards and Risk Management	20 20	
Level 5/6	OM3070	Occupational Health, Safety and Environmental Management 3(SLL3)	20	Advanced Diploma Health, Safety and Environmental Management Requires a minimum of 360 credits with 200 credits at stage 2, including a minimum of 320 credits at level 4 or above, 180 credits at level 5 or above and 60 credits at level 6 or above.
	OM3071	Human Factors in Health and Safety (SLL3)	20	
	OM3073	Introduction to Research	20	
	OM2074	Safety in Oil and Gas Fields	20	
	OM2055	Professional Development Projects	20	
	OM2079	Safety in Construction & Demolition (OPTION)	20	
	OM2023	Fire Safety in Buildings (OPTION)	20	
Level 5	OM2075	Sustainable Development (OPTION)	20	Diploma of Higher Education in Health, Safety and Environmental Management Requires 240 credits with 120 credits at stage 2, including a minimum of 240 credits at Level 4 or above and 100 credits at Level 5 or above
	OM2063	Health, Safety and Environment 2	20	
	OM2071	Safety Technology	20	
	OM2076	Principles of Health, Safety and Environmental Laws (LL2)	20	
	OM2077	Issues in Sustainability	20	
Level 4	OM2078	Occupational Health & Industrial Hygiene	20	Certificate of Higher Education in Health, Safety and Environmental Management Requires 120 credits at Level 4.
	OM2056	Professional and Professional Development 2	20	
	OM1075	Health, Safety and Environment in the Workplace	20	
	OM1071	Principles of Science and Mathematics	20	
	OM1072	Introduction to Personal Safety and Life Support	20	
	OM1073	Science for the Environment	20	

	OM1074 OM1055	Fire Risk Management Personal and Professional Development 1 (LL1)	20 20	
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*Available on UCLan main
campus only

15. Personal Development Planning

The modules at each level provide students with the opportunity to engage with their own personal development planning and to recognise that learning is a lifelong process.

Following appropriate introduction and induction, the Course Team will support students in reflecting on their learning, performance and achievement, and in their planning for personal, educational, and career development.

Skills in PDP such as self-reflection, recording, target setting, action planning and monitoring will be highlighted as key lead indicators of success in securing employment on graduation.

Over the duration of the course, and including reference to extra-curricular student activities, tutors for the Personal and Professional Development modules and Personal Tutors will take formal responsibility for supporting students through their personal development in the following areas:

- Self Awareness
- Study Skills
- Reviewing Progress
- Career Plans
- Making Applications

The work in PDP will not be assessed.

16. Admissions criteria

International College of Engineering & Management, Oman students

1. Applicants will normally have completed 12 years of secondary schooling and having followed Applied/Pure Mathematics stream, or the equivalent, with a grade of D or higher in Mathematics, Physics or Chemistry and English. In addition, all applicants will be interviewed and complete a diagnostic entry test in English Language, Mathematics and Science to assess their ability to complete the programme. Applicants will be required to have a minimum average level of proficiency in English Language equivalent to IELTS band 5.0 with no band in any of the four skills (reading, listening, speaking writing) lower than 4.5. The programme includes structured provision for further development of English language skills.

OR

2. Students who have successfully completed a Foundation year at the International College of Engineering & Management in Oman will have undertaken final assessments in English Language (equivalent to IELTS band 5.0 with no band in any of the four skills - reading, listening, speaking writing, lower than 4.5) and will have demonstrated the level of proficiency in all areas required for admission onto the programme.

APL/APEL will be assessed through standard University procedures.

Honours top-up students

Applicants will normally be required to have:

Pass Foundation Degree or Pass HND in a relevant subject area.

Applicants will be required to have a minimum level of proficiency in English Language equivalent to IELTS grade 6 with no subscore lower than 5.5

Please consult the UCLAN admissions department for the most up to date requirements.

17. Key sources of information about the programme

<ul style="list-style-type: none">• ICEM Marketing Brochure
<ul style="list-style-type: none">• ICEM Website

18. Curriculum Skills Map

Please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed

Level	Module Code	Module Title	Compulsory (COMP) or Option (O)	Programme Learning Outcomes																
				Knowledge and understanding					Subject-specific Skills			Thinking Skills				Other skills relevant to employability and personal development				
				A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	D1	D2	D3	D4	D5
LEVEL 6	FZ3511	Final Project	COMP	✓			✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
	NT3010	EIA	COMP		✓					✓	✓				✓				✓	
	NT3050	Carbon and Energy Management	COMP			✓	✓		✓		✓	✓			✓			✓	✓	
	BN3720	Health and Safety Management	COMP		✓	✓	✓		✓		✓				✓				✓	
	FV3103	Hazards And Risk Management	COMP		✓	✓	✓		✓		✓				✓				✓	
	OM3070	Occ. Health, Safety and Environmental Management	COMP	✓		✓	✓		✓	✓	✓				✓					✓
	OM3071	Human Factors in Health and Safety	COMP			✓			✓	✓	✓		✓	✓	✓					
	OM3073	Introduction to Research	COMP		✓	✓		✓			✓	✓	✓	✓		✓	✓			
	FZ3515	Health and Safety in Workplace	COMP	✓	✓	✓			✓			✓	✓							
LEVEL 5	OM2074	Safety in Oil and Gas Fields	COMP	✓			✓		✓						✓					
	OM2056	Professional Development Projects	COMP					✓				✓	✓		✓	✓	✓	✓	✓	✓
	OM2063	HSE 2	COMP	✓		✓			✓		✓			✓						
	OM2071	Safety Technology	COMP				✓		✓		✓		✓	✓						
	OM2076	Principles of Health, Safety & Environmental Laws	COMP			✓					✓				✓					
	OM2077	Issues in Sustainability	COMP	✓	✓					✓				✓	✓					
	OM2023	Fire Safety in Buildings	OPTION			✓	✓		✓		✓				✓			✓		
	OM2055	PPD 2	COMP					✓				✓	✓			✓	✓	✓	✓	✓
	OM2079	Safety in Construction & Demolition	OPTION	✓					✓		✓	✓				✓		✓	✓	
	OM2078	Occupational health & Industrial Hygiene	COMP		✓	✓	✓		✓			✓			✓	✓		✓	✓	
LEVEL 4	OM1075	Health, Safety and Environment in the workplace	C	✓		✓			✓		✓			✓						

OM1071	Principles of Science and Mathematics	COMP						✓		✓		✓							
OM1072	Introduction to Personal Safety and Life Support	COMP						✓		✓	✓	✓	✓	✓	✓			✓	✓
OM1073	Science for the Environment	COMP	✓					✓				✓							
OM1074	Fire Risk Management	COMP						✓		✓			✓	✓					✓
OM1055	Personal and Professional Development 1	COMP					✓				✓				✓	✓	✓	✓	✓

19. LEARNING OUTCOMES FOR EXIT AWARDS:

Learning outcomes for the award of Certificate of Higher Education:

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.
- A2. Describe and apply concepts of the global and local impact of environmental risk and hazard and human response to environmental problems
- B1 Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- C1..Select, collate, interpret and evaluate information from a range of sources.
- D1 Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.

Learning outcomes for the award of Diploma of Higher Education:

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.
- A2. Describe and apply concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems.
- B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- C1. Select, collate, interpret and evaluate information from a range of sources.
- C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues.
- D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.
- D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.
- D3. Work independently and within a team.

Advanced Diploma Health, Safety and Environmental Management

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.
- A2. Describe and apply the concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems.
- A3. Evaluate the interrelationships between the professional inputs and the role of institutions, organisations and other stakeholders in managing and regulating Health and Safety at work and human interaction with the environment.
- B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- B2. Critically appraise current attitudes and methods and adopt a creative and innovative approach to Health, Safety and Environmental Management
- C1. Select, collate, interpret and evaluate information from a range of sources.
- C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues.
- C3. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions.
- D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.
- D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.
- D3..Work independently and within a team.
- D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.
- D5. Identify and work towards targets for personal, academic and professional development

Learning outcomes for the award of Bachelor Degree:

- A1. Evaluate the main concepts and principles that underpin Health, Safety and Environmental management and their application in the workplace.

- A2. Describe and apply concepts of the global and local impact of environmental risk and hazards and human responses to environmental problems.
- A3. Evaluate the interrelationships between the professional inputs and the role of institutions, organisations and other stakeholders in managing and regulating Health and Safety at work and human interaction with the environment.
- A4. Apply and integrate knowledge and understanding from a variety of disciplines of Health, Safety and Environment in the workplace.
- A5. Demonstrate the capability for independent learning and life long learning in a professional career.
- B1. Apply practical skills and techniques appropriate to working as a professional practitioner of Health, Safety and Environment in an organisation.
- B2. Critically appraise current attitudes and methods and adopt a creative and innovative approach to Health, Safety and Environmental Management.
- B3. Plan, conduct, and report on investigations, including the use of secondary data, and to undertake such investigations in a responsible and safe manner, paying due attention to risk assessment, rights of access, relevant health and safety regulations, and to display sensitivity to the impact of investigations on the environment and stakeholders.
- C1. Select, collate, interpret and evaluate information from a range of sources.
- C2. Interpret and analyse qualitative and quantitative data relating to complex problems and issues.
- C3. Identify and analyse broadly defined problems, evaluate possible optional strategies, design and optimise appropriate solutions.
- C4. Critically reflect upon the body of knowledge, methodologies, procedures and legislation related to Health, Safety and Environment and communicate the impact of these to individuals at different levels in an organisation.
- D1. Research and evaluate a wide range of sources of information from text books, journals, the media, CD Rom, newspapers, internet, technical indexes, catalogues, Standards, case law.
- D2. Complete reports in a succinct and coherent format, and conduct and present individual research projects.
- D3. Work independently and within a team.
- D4. Communicate appropriately to a variety of audiences using a range of formats and approaches.
- D5. Identify and work towards targets for personal, academic and professional development.