



## **Course Specification Part A**

### **MSc Oil and Gas Management EECT056**

#### **Faculty of Engineering, Environment and Computing School of Energy, Construction and Environment Academic Year: 2021/22**

Please note: This specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities that are provided.

We regularly review our course content, to make it relevant and current for the benefit of our students. For these reasons, course modules may be updated.

More detailed information on the learning outcomes, content, and teaching, learning and assessment methods of each module can be found in the Module Information Directory (MID), student module guide(s) and the course handbook.

The accuracy of the information contained in this document is reviewed by the University and may be verified by the Quality Assurance Agency for Higher Education.

Coventry University's accreditation with CMI is currently ongoing for the relevant modules and is regularly reviewed and monitored by the CMI through their quality systems. Whilst Coventry University anticipates that these reviews will continue to be successful, if they were to be unsuccessful, the relevant module in this course would no longer be accredited and we would notify applicants and students of this change as soon as possible.

## PART A Course Specification (Published Document)

### MSc Oil and Gas Management

#### 1. Introduction

Emerging superpowers, China and India, are competing on the world stage for a larger share of the world's energy resources. As a result, more countries around the world are developing their natural resources, and as competition increases so do the energy prices. This fast-growing sector of the world's economy therefore represents a big opportunity for employment for highly skilled professionals and managers.

This MSc course aims to provide specialist professional development and qualifications for a wide range of potential employers including national and multinational energy companies, consultancies, energy ministries and international agencies. Students are expected to be exposed to the complexities of management within the industry helping to have a strong understanding of the interconnections between the different value chains of the oil and gas industry.

The course is designed to meet the increasing demand for practical management skills for students and professionals working in the energy industry and provide students with skills and mind-sets that will allow them to operate within, and lead in the energy industry of the 21st century. In addition, it will provide an educational experience in which students can achieve an integrated understanding of the science and management strategy within the context of the energy and hydrocarbon industry, while also developing appropriate intellectual and personal skills.

To increase employability and students experience, all students enrolled in the programme are offered free complementary certification in Institution of Occupational Safety and Health (IOSH) Managing Safely after passing the IOSH Board examination. IOSH is the world's leading chartered professional body and largest membership organisation for professionals responsible for safety and health in the workplace.

As a part of the programme, students are required to undertake an international field trips to observe the activities and operations of key oil and gas equipment and technologies in real world. Evaluation of drilling facilities/operations, petroleum and gas processing plant, control rooms operations, key safety software and best practices reinforces the importance of safe working practices in the oil and gas industry and environment.

As part of this course you will undertake a professional development module which is currently accredited by the Chartered Management Institute (CMI). Upon successful completion of the module, you will gain the CMI Level 7 Certificate in Strategic Management and Leadership Practice at no additional cost.

#### Work Placement

For students in today's competitive employment markets having work experience can significantly enhance employment prospects. For this reason, the course offers students the opportunity to undertake a work placement, extending the main provision to a two-year course. The work placement could be International or UK with a focus which may be industry or research. Following a selection process within the first semester and subject to securing an approved placement opportunity, students would move onto the two-year course. International students who are interested in a work placement will be supported in completing an application for extending their Student visa by international student support services. Upon completion of their placement, students will return to complete the course and the final project for the full award.

#### 2 Available Award(s) and Modes of Study

Title of Award	Mode of attendance	UCAS Code	FHEQ Level
MSc Oil and Gas Management	Full-Time: 1 year; Part-Time: 2 years		Level 7

<b>Fallback Awards:</b> PgD Oil and Gas Management PgC Oil and Gas Management PG Cert (unnamed)	2 years with Work Placement		
<b>3 Awarding Institution/Body</b>	Coventry University		
<b>4 Collaboration</b>	GTUC		
<b>5 Teaching Institution and Location of delivery</b>	Coventry University		
<b>6 Internal Approval/Review Dates</b>	Date of approval/latest review: 2018/2019 Date for next review: (Academic year 2024/2025)		
<b>7 Course Accredited by</b>			
<b>8 Accreditation Date and Duration</b>			
<b>9 QAA Subject Benchmark Statement(s) and/or other external factors</b>	There is no QAA benchmark for this subject and therefore it draws upon QAA Benchmark Guidelines for Earth & Environmental Science, Engineering and Business and Management. Due to the more vocational nature of the course we also draw upon guidelines from Professional Bodies such as the Energy Institute, who accredits the course, and the Society of Petroleum Engineers, which offers students' membership.		
<b>10 Date of Course Specification</b>	Jan 2021		
<b>11 Course Director</b>	Dr Enobong Bassey		

## 12 Outline and Educational Aims of the Course

The MSc Oil and Gas Management course has been designed explicitly, to meet the increasing demand for practical and management skills for students and professionals working in the energy industry and provide students with skills and mind-sets that that will allow them to operate within and lead in the energy industry of the 21st century. Also, it will provide an educational experience in which students can achieve an integrated understanding of the science and management strategy within the context of the energy and hydrocarbon industry, while also developing appropriate intellectual and personal skills. In this regard, the following educational aims have been established:

- To provide an educational experience that meets students' needs and expectations and those of the sectors' employers;
- To provide an up to date curriculum that articulates the current challenges and good practice in the energy industry
- To foster an understanding of the fundamentals of oil and gas processes and management including the processes, drivers, threat and opportunities related to the operations and management of the energy and hydrocarbon industry, and related environmental management issues;

- To enable students to evaluate and apply a variety of skills, policies, operational strategies and techniques within the context of oil and gas management;
- To develop the competence to safely and effectively manage projects in the oil and gas industries within the context of increasingly stringent environmental and safety legislation;
- To develop academic and professional competences of students, thus facilitating the mobility of professional employment and the application of professional knowledge and skills;
- To facilitate independent investigation and research, through the promotion of information management, communication and presentation skills;
- To promote a culture of lifelong learning in the student community through critical self-reflection.

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### **13 Course Learning Outcomes**

This course satisfies the University's Code of Practice for Academic and Professional Skills Development. The principal teaching, learning and assessment methods normally used on the course to achieve these learning outcomes are identified in the next section. On successful completion of the course, a student will be able to:

1. Analyse theories, concepts and complexities of managing the processes, threats and challenges of the oil and gas industry in the 21st century.
2. Apply the methods and global best practices in managing health, safety and environment in exploration and production of oil and gas.
3. Evaluate the politics of oil and gas and threats to continued supply and environmental management concerns.
4. Demonstrate a critical awareness of the developing role of renewable energy options in the energy industry.
5. Demonstrate effective leadership and management skills in the oil and gas sector and appropriate business policies and strategies within a changing operational and legislative context to meet stakeholders' interest.
6. Apply and evaluate the limitations of a range of research methods/techniques, both qualitative and quantitative for providing information and evaluating options in an uncertain and changing organisational environment.
7. The ability to conduct research, in an ethical manner, and analyse data using appropriate methods and communicate the output effectively
8. Critically evaluate the principles for leading and developing people and equality, diversity and inclusion at a strategic level.

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### **14 Course Structure and Requirements, Levels, Modules, Credits and Awards**

The course is designed for those who are interested in a career - or already working - in the energy and hydrocarbon industry. Modules in the course focus on theoretical, policy, design, scientific, technological and operational aspects of oil and gas management. Modules within the course, and credit value are given in Table 1 below.

All students will have the Chartered Management Institute (CMI) accredited module, Leading Diverse Workforces. Students who successfully complete the module and meet the CMI learning outcomes will gain a Level 7 Certificate in Strategic Management and Leadership Practice based on the following CMI units: Leading and developing people to optimise performance (unit 702); Strategic approaches to diversity and Inclusion (unit 715).

Students who successfully complete this module will be awarded Foundation Chartered Manager status and be able to use the designation 'fCMgr' after their name.

#### **Work Placement**

During semester 1, students who have expressed an interest in undertaking a work placement should begin the application process for placement opportunities. Students have the responsibility for securing a placement, but they will be supported throughout the application process by a specialist employer engagement team. The university will work with employers to identify opportunities. Subject to securing a placement, the International Student Support team will work with international students to obtain UK study visa extensions. Visas required to work in other countries will be the responsibility of the student.

The course is structured so that students complete two semesters of taught modules and then spend three semesters on placement. During this time students would be enrolled onto modules 7102CEM Extended Masters Work Placement A, 7103CEM Extended Masters Work Placement B and 7104CEM Extended Masters Work Placement C. The modules are zero credit and do not contribute to the classification or name of the award but must be passed to complete the placement. Upon completion of the work placement, students are expected to return to Coventry to complete the final semester during which time they undertake their project module. Successful completion of the Work Placement is reflected in the final student transcript.

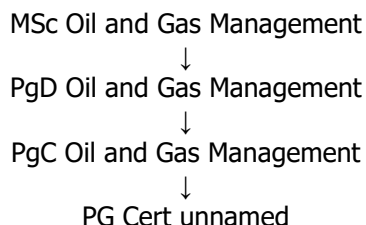
Credit level	Module Code	Title	Credit Value	Mandatory/ Optional	Course Learning Outcomes
Subject to securing an appropriate placement opportunity and fulfilling the selection requirements, students will be transferred to the two-year course and the Work Placement modules listed below are to be taken.					
7	7102CEM	Extended Masters Work Placement A	0	Optional	
7	7103CEM	Extended Masters Work Placement B	0	Optional	
7	7104CEM	Extended Masters Work Placement C	0	Optional	

The work placement is to be taken over three semesters and prior to the final semester of the course.

#### 14.1 Patterns and modes of attendance

This course is available for study on either a part-time or full-time basis. A student normally begins their studies at the commencement of semester 1 in September.

#### Cascade of Awards:



For the award of an MSc in Oil and Gas Management a student must have 180 credits from the course and these must include all credit bearing modules and the final project/dissertation.

For the award of a PgD Oil and Gas Management a student must have 120 credits from any module.

For the award of a PgC in Oil and Gas Management a student must have 60 credits include passes in 7134EXQ, 7161EXQ, 7162EXQ, 7164EXQ

For the award of a PG Cert unnamed a student must have 60 credits from the course from any of the 15 credited modules.

#### 14.2 Course Structure

The course structure of modules is detailed below:

Students studying for a Masters in Oil and Gas Management will take eight mandatory modules, along with a CMI (10 credit), the zero credit tutorial modules and the project/dissertation modules.

The course may accept three intakes per year (September, January and May), the primary intake is in September. To accommodate three starts per year the order in which a student undertakes their taught modules may change as modules are taught in a rolling pattern of delivery. However, the dissertation will always be undertaken in the Students' 3<sup>rd</sup> semester.

**Table 1: MSc Oil and Gas Management modules**  
The delivery pattern below is an indication and can be subject to change.

Module Code	Module Title	Credit Value	Semester *	Course Learning Outcomes	MSc
7134EXQ	Global Petroleum Industry – Perspectives and Prospects	15	1	1,2,3,4	M
7138EXQ	Oil Spills Science, Response and Remediation	15	1	1,2,5	M
7161EXQ	Petroleum Contracts and Economics	15	1	1,2,3	M
7162EXQ	Principles of Applied Health and Safety Management System	15	1	1,2,5,6	M
7142EXQ	Project & Quality Management in the Energy Industry	15	2	1,2,5,6	M
7143EXQ	International Oil & Gas Trading	15	2	1,2,3	M
7144EXQ	Investment Analysis and Decision Making in the Petroleum Industry	15	2	1,2,3	M
7164EXQ	Sustainability in Energy Exploitation Production & Transport	15	2	1,2,5	M
7084EXQ	Supporting Transition to Post Graduate Study	0	1	6, 7	M
7074EXQ	Preparing to Research	0	2	6, 7	M
7049CRB	Leading Diverse Workforces	10	3	8	M
7165EXQ	Research Project	50	3	1-7	M

Key: M – Mandatory; \* – indicative only

## 15 Criteria for Admission and Selection Procedure

A good UK honours degree or an international equivalent (a 2.1 is most preferred but 2.2 may be considered) in accounting, management, social science, law, engineering, physical sciences, geosciences and mathematics. HND holders (Upper) with at least five years working experience in the oil and gas industry may also be considered. Applicants whose first language is not English or who have not completed a first degree in which English was the main language of tuition must provide evidence of English language ability. IELTS score of 6.5 or higher (and at least 5.5 in each component) or equivalent qualification is the accepted criterion for admission.

For students entering with advanced standing, the RP(E)L procedure should be outlined. This is a standard university defined process.

## 16 Academic Regulations and Regulations of Assessment

This Course conforms to the standard [University Academic Regulations](#) Postgraduate Mode R.

## 17 Indicators of Quality Enhancement

The Course is managed by the School of Energy, Construction & Environment Board of Study of the Faculty of Engineering, Environment & Computing.

The Programme Assessment Board (PAB) for Energy, Construction & Environment is responsible for considering the progress of all students and making awards in accordance with both the University and course-specific regulations.

The assurance of the quality of modules is the responsibility of the Boards of Study which contribute modules to the course.

External Examiners have the opportunity to moderate all assessment tasks and a sample of assessed work for each module. They will report annually on the course and/or constituent modules and their views are considered as part of the Course Quality Enhancement Monitoring (CQEM). Details of the CQEM process can be found on the Registry's web site. Students are represented on the Student Forum, Board of Study and Faculty/School Board, all of which normally meet two or three times per year. Student views are also sought through module and course evaluation questionnaires.

There is a strong and regular industry input to the subject-base. This is achieved in many ways, for example through the long-standing industry advisory boards, industry-focused collaborative research initiatives and use of guest speakers from industry. The award is intended to offer students the opportunity to develop their knowledge/understanding of relevant aspects of Petroleum Technology and Environmental issues. This is a unique offering not readily available from other providers. The course concentrates on the application of techniques and interdisciplinary skills (with key contribution from the industry), within the wider context of higher education learning. This brings together academic and professional skills that enhance learning in the contemporary areas of petroleum technology and environmental science.

The teaching team includes staff with research and industry experience in oil & gas processing, health & safety, petroleum economics, environmental management, project management and quality management . Their experience comes from work with international oil companies, national oil companies, and oil & gas service providers etc. in Europe, the Americas, Africa, Asia and New Zealand.

## **QAA**

The report of QAA's Institutional Audit undertaken in 2015 confirmed that

1. The maintenance of the threshold academic standards of awards offered on behalf of degree-awarding bodies and/or other awarding organisations meets UK expectations.
2. The quality of student learning opportunities at the provider meets UK expectations
3. The quality of the information produced by the provider about its provision meets UK expectations.
4. The enhancement of student learning opportunities at the provider meets UK expectations.

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## **18 Additional Information**

Enrolled students have access to additional, key sources of information about the course and student support including:

- Faculty/School Handbook
  - Student Handbook
  - Module Guides
  - Module Information Directory
  - Study Support information
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