

Course Specification

Published Date:	04-Oct-2021
Produced By:	Oliver Jones
Status:	Validated

Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Architecture and Built Environment		
Course Code(s):	EA023P01UV	Full-time	12 Months
	EA023P31UV	Part-time	2 Years
Course Title:	MSc Oil and Gas Management		
Hierarchy of Awards:	Master of Science Oil and Gas Management Postgraduate Diploma Oil and Gas Management Postgraduate Certificate Oil and Gas Management University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	01/Jun/2017		
Last Review:	2020/1		
Course Specification valid from:	2012/3		
Course Specification valid to:	2025/6		

Academic Staff

Course Leader:	Hamid Pouran
Head of Department:	

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Not delivered in partnership
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS)

RPL will be permitted only under the terms of the University procedure.

Successful applicants will normally be required to have an 2ii (or better) honours degree in a subject broadly related to the science, engineering or business and management branches of the oil and gas industry. Ideally, students should have a working knowledge of chemistry to at least Level 2 (GCSE).

English competence for international applicants should be in-line with University requirements for Masters-level taught degrees (IELTS 6.0 overall and 5.5 in all elements).

International Students will require approval from the Academic Technology Approval Scheme (ATAS). Its aim is to help stop the spread of knowledge and skills that could be used in the proliferation of weapons of mass destruction (WMD) and their means of delivery. The ATAS is specifically designed to ensure that those applying for postgraduate study in certain sensitive subjects do not acquire knowledge that could potentially be used in WMD courses.

Please see link for further info:

<http://www.fco.gov.uk/en/about-us/what-we-do/services-we-deliver/atas/atas-what/>

Distinctive Features of the Course:

The MSc in Oil and Gas Management provides a broad training in oil industry matters. It is specifically designed for those who plan a professional or managerial career in the application of science, engineering or business in the oil and gas industry. The course will develop expertise in commercialisation, economics and law (specifically contracts), in addition to a detailed understanding of how science and engineering can be applied throughout the Oil and Gas Industry.

The primary target audience are geologists, engineers and business managers working in the oil and gas sector, including Ministries, but the course is just as to graduates and professionals seeking to increase their knowledge, skills and qualifications of this vibrant industry. The course will assimilate information and draw conclusions from current research findings in the Oil and Gas area allowing you to develop the conceptual and empirical knowledge, analytical skills and understanding of the business development process.

The MSc develop a comprehensive understanding of the Oil and Gas industry and appreciate the current limitations and problems with the techniques in current practice, covering areas such as innovation and entrepreneurship, geology, engineering disciplines, contracts, presentation skills, petroleum economics, risk assessment, safety engineering and environmental sciences.

There is an emphasis on critical and current awareness of recent developments within the Oil and Gas industry, for example shale gas, biofuels and other renewables. You will also undertake postgraduate research work into topic relevant to your interest or future career plans. You will demonstrate the ability to apply knowledge and understanding of business and management to complex issues, both systematically and creatively, to improve business and management practice in the Oil and Gas industry.

The course at Wolverhampton is a collaboration of subject experts, applying their research and knowledge to this dynamic industry.

Educational Aims of the Course:

The MSc in Oil and Gas Management provides a broad training in oil industry matters. It is specifically designed for those who plan a professional or managerial career in the application of science, engineering or business in the oil and gas industry. The course will develop expertise in commercialisation, economics and law (specifically contracts), in addition to a detailed understanding of how science and engineering can be applied throughout the Oil and Gas Industry. The primary target audience are geologists, engineers and business managers working in the oil and gas sector, including Ministries, but the course is just as to graduates and professionals seeking to increase their knowledge, skills and qualifications of this vibrant industry. The course will assimilate information and draw conclusions from current research findings in the Oil and Gas area allowing you to develop the conceptual and empirical knowledge, analytical skills and understanding of the business development process.

The MSc develop a comprehensive understanding of the Oil and Gas industry and appreciate the current limitations and problems with the techniques in current practice, covering areas such as innovation and entrepreneurship, geology, engineering disciplines, contracts, presentation skills, petroleum economics, risk assessment, safety engineering and environmental sciences.

There is an emphasis on critical and current awareness of recent developments within the Oil and Gas industry, for example shale gas, biofuels and other renewables. You will also undertake postgraduate research work into topic relevant to your interest or future career plans. You will demonstrate the ability to apply knowledge and understanding of business and management to complex issues, both systematically and creatively, to improve business and management practice in the Oil and Gas industry.

Intakes:

September
January

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2020/1	Overseas	Full Time	£13350.00
2020/1	H	Full Time	£7650.00
2020/1	H	Full Time	£3825.00
2020/1	Overseas	Full Time	£6675.00
2021/2	H	Full Time	£7800.00
2021/2	Overseas	Full Time	£13950.00
2021/2	H	Full Time	£3900.00
2021/2	Overseas	Full Time	£6975.00

PSRB:

EA023P01UV (Full-time)

Professional Accreditation Body:
Chartered Association of Building Engineers

Accrediting Body:
Chartered Association of Building Engineers (CABE)

Accreditation Statement:
Accredited by the Chartered Association of Building Engineers (CABE).

Approved	Start	Expected End	Renewal
06/Aug/2021	01/Sep/2021	31/Aug/2021	

Course Structure:

January (Full-time)

Year 1

Module	Title	Credits	Period	Type
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7ET022	Research Methods and Professional Skills	20	SEM2	Core
7EA019	Petroleum Chemistry and Refining	20	SEM2	Core
7ET023	Dissertation	60	CRYRA	Core
7EA017	Operational Risk and Incident Management for Oil and Gas	20	SEM3	Core

January (Part-time)

Year 1

Module	Title	Credits	Period	Type
7ET022	Research Methods and Professional Skills	20	SEM2	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7EA017	Operational Risk and Incident Management for Oil and Gas	20	SEM3	Core

7CV005	Sustainable Engineering	20	SEM1	Core
7LW002	International Commercial Awareness	20	SEM1	Core

7CV005	Sustainable Engineering	20	SEM1	Core
--------	-------------------------	----	------	------

January (Part-time)

Year 2

Module	Title	Credits	Period	Type
7EA019	Petroleum Chemistry and Refining	20	SEM2	Core
7ET023	Dissertation	60	CRYRA	Core

7LW002	International Commercial Awareness	20	SEM1	Core
--------	------------------------------------	----	------	------

September (Full-time)

Year 1

Module	Title	Credits	Period	Type
7CV005	Sustainable Engineering	20	SEM1	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7LW002	International Commercial Awareness	20	SEM1	Core
7EA019	Petroleum Chemistry and Refining	20	SEM2	Core
7ET023	Dissertation	60	CRYRA	Core
7ET022	Research Methods and Professional Skills	20	SEM2	Core
7EA017	Operational Risk and Incident Management for Oil and Gas	20	SEM3	Core

September (Part-time)

Year 1

Module	Title	Credits	Period	Type
7CV005	Sustainable Engineering	20	SEM1	Core
7ET022	Research Methods and Professional Skills	20	SEM2	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7EA017	Operational Risk and Incident Management for Oil and Gas	20	SEM3	Core

September (Part-time)

Year 2

Module	Title	Credits	Period	Type
7LW002	International Commercial Awareness	20	SEM1	Core
7EA019	Petroleum Chemistry and Refining	20	SEM2	Core
7ET023	Dissertation	60	CRYRA	Core

Please note: Optional modules might not run every year, the course team will decide on an annual basis which

options will be running, based on student demand and academic factors, to create the best learning experience.

Learning, Teaching and Assessment

Academic Regulations Exemption:

None.

Reference Points:

There is no benchmark statement for this sector. However, the course has been developed within and informed by a number of national frameworks, notably:

1. Benchmark Statement for the Master's degrees in business and management (2007).
2. The Framework for Higher Education Qualifications (2008) – and restated in Chapter A1 of the UK Quality Code for Higher Education.
3. The Equality Act (2010) and associated University of Wolverhampton policies and procedures– to ensure that the course requirements do not discriminate directly or indirectly against any applicant or student.
4. The University of Wolverhampton Assessment Handbook.
5. Section M of the University of Wolverhampton Academic Regulations – these are the Regulations under which this Course will operate.

National Occupational Standards for the Oil and Gas Industry (OPITO - <http://tinyurl.com/bryct7g>).

Learning Outcomes:

PGCert Course Learning Outcome 1 (PGCCL01)

Demonstrate a systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of which is at, or informed by, the forefront of your academic discipline, field of study or area of professional practice with a conceptual understanding that enables the student: (a) to evaluate critically current research and advanced scholarship in the discipline (b) to evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses.

PGCert Course Learning Outcome 2 (PGCCL02)

Demonstrate a comprehensive understanding of techniques applicable to your own research or advanced scholarship and ability to continue to advance your knowledge and understanding, and to develop new skills to a high level.

PGCert Course Learning Outcome 3 (PGCCL03)

Demonstrate originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the discipline.

PGCert Course Learning Outcome 4 (PGCCL04)

Ability to deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, and communicate your conclusions clearly to specialist and non-specialist audiences.

PGCert Course Learning Outcome 5 (PGCCL05)

Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.

PGCert Course Learning Outcome 6 (PGCCL06)

Demonstrate the qualities and transferable skills necessary for employment requiring: (a) the exercise of initiative and personal responsibility (b) decision-making in complex and unpredictable situations (c) the independent learning ability required for continuing professional development.

PGDip Course Learning Outcome 1 (PGDCLO1)

Demonstrate a systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of which is at, or informed by, the forefront of your academic discipline, field of study or area of professional practice with a conceptual understanding that enables the student: (a) to evaluate critically current research and advanced scholarship in the discipline (b) to evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses.

PGDip Course Learning Outcome 2 (PGDCLO2)

Demonstrate a comprehensive understanding of techniques applicable to your own research or advanced scholarship and ability to continue to advance your knowledge and understanding, and to develop new skills to a high level.

PGDip Course Learning Outcome 3 (PGDCLO3)

Demonstrate originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the discipline.

PGDip Course Learning Outcome 4 (PGDCLO4)

Ability to deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, and communicate your conclusions clearly to specialist and non-specialist audiences.

PGDip Course Learning Outcome 5 (PGDCLO5)

Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.

PGDip Course Learning Outcome 6 (PGDCLO6)

Demonstrate the qualities and transferable skills necessary for employment requiring: (a) the exercise of initiative and personal responsibility (b) decision-making in complex and unpredictable situations (c) the independent learning ability required for continuing professional development.

Masters Course Learning Outcome 1 (MACLO1)

Demonstrate a systematic understanding and critical awareness of current and emerging Oil and Gas technologies and workflows including economic, environmental and social factors and their relation to energy sector and sustainability.

Masters Course Learning Outcome 2 (MACLO2)

Select and effectively implement an appropriate analysis of the existing technologies in order to produce energy policy and management documentation including technical details, in-depth understanding and presentations

Masters Course Learning Outcome 3 (MACLO3)

Put into practice a range of techniques required to undertake technical research in the area of Oil and Gas and energy management, and review, analyse and evaluate findings in a professional manner.

Masters Course Learning Outcome 4 (MACLO4)

Demonstrate high level skills and abilities to make use of generic and bespoke software tools, solving complex design problems and developing appropriate solutions for presentation to a range of audiences

Masters Course Learning Outcome 5 (MACLO5)

Evaluate current research and scholarship within the general area of Oil and Gas Management, critique current research methodologies and apply this knowledge to solve original and complex problems

Masters Course Learning Outcome 6 (MACLO6)

Implement a range of transferable skills including the ability to learn independently, work collaboratively, make informed decisions in complex situations and take responsibility for personal development

Overview of Assessment:

Module	Title	Course Learning Outcomes
7CN001	Advanced Project Planning and Control	MACLO2, MACLO4, MACLO5, MACLO6, PGCCLO2, PGCCLO4, PGCCLO5, PGCCLO6, PGDCLO2, PGDCLO4, PGDCLO5, PGDCLO6
7CV005	Sustainable Engineering	MACLO1, MACLO3, MACLO5, PGCCLO1, PGCCLO2, PGCCLO5, PGCCLO6, PGDCLO1, PGDCLO2, PGDCLO5, PGDCLO6
7EA017	Operational Risk and Incident Management for Oil and Gas	MACLO1, MACLO3, MACLO5, PGCCLO1, PGCCLO3, PGCCLO5, PGDCLO1, PGDCLO3, PGDCLO5
7EA019	Petroleum Chemistry and Refining	MACLO1, MACLO3, PGDCLO1, PGDCLO3
7ET022	Research Methods and Professional Skills	MACLO1, MACLO2, MACLO3, MACLO4, MACLO5, MACLO6, PGDCLO2, PGDCLO3, PGDCLO5, PGDCLO6
7ET023	Dissertation	MACLO1, MACLO3, MACLO4, MACLO5
7LW002	International Commercial Awareness	MACLO1, MACLO2, MACLO5, PGDCLO1, PGDCLO2, PGDCLO5, PGDCLO6

Teaching, Learning and Assessment:

This is a Masters-level course and so there is an emphasis on Independent learning which is at the leading edge of the discipline. You will be prepared for this independent learning in a number of ways, which include:

- Lectures to provide research and practice-based comprehension of the major areas of Oil and Gas Management to an advanced level.
- Tutorials to focus understanding gained in lectures on research or case-based issues and to underpin this understanding by making it relevant to industrial situations.
- Seminars to allow exchange of ideas and knowledge with peers and with tutors and to present an opportunity to share student experiences of the industry.
- Workshops to develop practical skills such as information and data-handling.
- Research project to enhance practical research skills, problem-solving abilities and competencies to analyse, evaluate and present research.
- Guest lectures from Industrial experts in Wolverhampton: and the students will also be strongly encouraged to join and attend meetings of bodies such as: the Petroleum Exploration Society GB, Oil and Gas UK, OPITO etc.
- Industrial visits to sites, where relevant to the course.

Assessment Methods:

At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

Student Support:

Students will have available to them the provisions of the Student Charter. This will include access to:

- Academic and professional staff to support learning (e.g. academic subjects specialists, industrial experts, learning services expertise (particularly in academic and professional literature).
- Pastoral and academic support services (e.g. access to the Student Offices for regulatory issues etc., to the Student Support Office, the Student Enabling Centre in addition to a named Personal Tutor.
- The Student Voice is important to the provision of the course and students will be expected to have representation at the Course Committees, Student Council, etc.

This course is a multi- and inter-disciplinary course, bringing together expertise from a range of disciplines. As such there will be a wide variety of subject specific advice and assistance from across the University. This will be underpinned by the skills development throughout the Learning Centre. The Schools recognise that the students will have a multi- and inter-disciplinary approach to the studies and one that will involve a number of different academic conventions. In order to alleviate any potential issues surrounding this, the Course Team will convene an academics forum at least twice per year, where practices will be shared and moderated, particularly around the assessment on the course.

Students will be encouraged to attend relevant industrial and professional conferences.

Employability in the Curriculum:

The MSc will qualify students to apply for a variety of careers in the downstream area of the oil and gas industry – such as project management, contract control manager, operations manager. It is targeted at the middle management level of the industry.

It will also prepare students for postgraduate research at academic institutions worldwide.

