Course Specification

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Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Architecture and Built Environment		
Course Code(s):	CV008P01UV	Full-time	12 Months
	CV008P31UV	Part-time	2 Years
UCAS Code:			
Course Title:	MSc Civil Engineering Management		
Hierarchy of Awards:	Master of Science Civil Engineering Management Postgraduate Diploma Civil Engineering Management Postgraduate Certificate Civil Engineering Management University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	04/Apr/2017		
Last Review:	2020/1		
Course Specification valid from:	2010/1		
Course Specification valid to:	2025/6		

Academic Staff

Course Leader:	Dr Suresh Renukappa
Head of Department:	Mr Peter Mills

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

- Normally, you should have a good honours degree in an engineering, technology or science-related subject. However, substantial professional experience can substitute for graduate status.
- IELTS entry criteria to be an overall score of 6.5 with no less than 6.0 in any aspect.
- If you are currently employed, we request a statement of support from your employer.

Distinctive Features of the Course:

This course has been designed for students that have a CEng accredited BSc/BEng and wish to undertake a broadening MSc in order to expand their horizons to management and planning aspects of built environment operations. On the other hand students from non-Civil Engineering backgrounds, who wish to register on the course, will be exposed to subject areas such as environmental and transportation engineering in order to develop expertise to Civil engineering related disciplines.

The course has a blend of technical and management related modules that combine analytical and theoretical elements, which equip the students with the qualities that will allow them to demonstrate understanding of current engineering practices.

In order to achieve the above, the programme will be supported by activities that have been designed following collaboration with university partners, research centres and professional institutions".

Finally, by the implementation of a real-life integrated project within a team-working environment the students will have the opportunity to gain experience and develop skills that will prepare them for further professional progression.

Educational Aims of the Course:

This course aims to broaden your knowledge and understanding of a range of aspects of civil engineering management practice and their limitations such as risk analysis. In addition, you will develop your management skills related to working within the construction profession in particular critically analysing management and business practices applied to the field of Civil Engineering.

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
2021/2	H	Full Time	£6550.00
2021/2	Overseas	Full Time	£13950.00
2021/2	H	31	£3275.00
2022/3	H	Full Time	£7995.00
2022/3	Overseas	Full Time	£14450.00

PSRB:

CV008P01UV (Full-time)

Professional Accreditation Body:
Institution of Civil Engineers (ICE)

Accrediting Body:
Institution of Civil Engineers (ICE)

Accreditation Statement:
Accredited by the Institution of Institution of Civil Engineers (ICE) on behalf of the Engineering Council for the purposes of partially meeting the academic requirement for registration as an Incorporated Engineer.

Approved	Start	Expected End	Renewal
18/Jun/2021	01/Sep/2022	31/Aug/2027	

CV008P31UV (Part-time)

Professional Accreditation Body:
Institution of Civil Engineers (ICE)

Accrediting Body:
Institution of Civil Engineers (ICE)

Accreditation Statement:
Accredited by the Institution of Institution of Civil Engineers (ICE) on behalf of the Engineering Council for the purposes of partially meeting the academic requirement for registration as an Incorporated Engineer.

Approved	Start	Expected End	Renewal
18/Jun/2021	01/Sep/2022	31/Aug/2027	

CV008P01UV (Full-time)

Professional Accreditation Body:
Institution of Structural Engineers (IStructE)

Accrediting Body:
Institution of Structural Engineers (IStructE)

Accreditation Statement:
Accredited by the Institution of Structural Engineers (IStructE) on behalf of the Engineering Council for the

purposes of fully meeting the academic requirement for registration as a Chartered Engineer.

Approved	Start	Expected End	Renewal
18/Jun/2021	01/Sep/2021	31/Aug/2027	

Course Structure:

January (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7ET022	Research Methods and Professional Skills	20	SEM2	Core
7CN018	Financial Management of Projects	20	SEM2	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7CV004	Transport Systems Engineering	20	SEM2	Core
7CN034	Dissertation	60	CRYRA	Core

January (Part-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7CV004	Transport Systems Engineering	20	SEM2	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core

January (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7CN016	Programme Management	20	SEM1	Core
7CV005	Sustainable Engineering	20	SEM1	Core

January (Part-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7CV005	Sustainable Engineering	20	SEM1	Core
7CN016	Programme Management	20	SEM1	Core

January (Part-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7CN018	Financial Management of Projects	20	SEM2	Core
7CN034	Dissertation	60	CRYRA	Core
7ET022	Research Methods and Professional Skills	20	SEM2	Core

September (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7CN016	Programme Management	20	SEM1	Core
7ET022	Research Methods and Professional Skills	20	SEM1	Core
7CV005	Sustainable Engineering	20	SEM1	Core
7CN018	Financial Management of Projects	20	SEM2	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7CV004	Transport Systems Engineering	20	SEM2	Core
7CN034	Dissertation	60	CRYRA	Core

September (Part-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Module	Title	Credits	Period	Type
7CN016	Programme Management	20	SEM1	Core
7CV005	Sustainable Engineering	20	SEM1	Core
7CN001	Advanced Project Planning and Control	20	SEM2	Core
7CV004	Transport Systems Engineering	20	SEM2	Core

September (Part-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each

academic calendar year.

Module	Title	Credits	Period	Type
7ET022	Research Methods and Professional Skills	20	SEM1	Core
7CN018	Financial Management of Projects	20	SEM2	Core
7CN034	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:

Section 4.3.3 - Exemption in accordance with the standards of the Professional Body. Students are permitted one additional re-sit attempt only.

Effective Date: September 2021

APPROVED at AFRSC meeting on 22/04/2021.

Reference Points:

- The Accreditation of Higher Education Programmes, UK Standard for Professional Engineering Competence, Third edition, 2014, (AHEP3).
- Joint Board of Moderators Accreditation Guidance and Documentation.
- Cognisance made of Engineering Council UK-Spec 2013.
- QAA National Qualifications Framework
- QAA Subject Benchmark Statement for Engineering
- School E&D policy
- Equality Act (2010)

Overview of Assessment:

As part of the course approval process, the course learning outcomes were mapped to each of the modules forming the diet of the programme of study. This process confirmed that all course learning outcomes can be met through successful completion of the modules. This mapping applies to the final award as well as to all of the intermediate awards.

Learning Outcomes	Modules
PGCERT01 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.	
PGCERT02 Demonstrate a comprehensive understanding of techniques applicable to your own research or advanced scholarship and ability to continue to advance your knowledge	

Learning Outcomes	Modules

and understanding, and to develop new skills to a high level.

PGCERT03 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.

PGCERT04 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.

PGCERT05 Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.

PGCERT06 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.

PGDIP01 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.

PGDIP02 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.

PGDIP03 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.

PGDIP04 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.

PGDIP05 Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.

PGDIP06 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.

MA01 Conduct research or advanced technical or professional activity; design and apply appropriate research methodologies and communicate results of research to peers; and accept accountability in related decision making including use of supervision.

MA02 Deal with complex issues and make sound judgments in the absence of information; able to integrate knowledge of new and emerging technology, mathematical and computer models;

Learning Outcomes	Modules
and demonstrate understanding across the whole degree programme.	

MA03 Ability to exercise leadership within an effective team environment while analysing and recognising the contributions of individuals and demonstrate understanding of current engineering practice.

MA04 Manage, appraise, critique and update a plan of work to reflect a changing operating environment and make evaluate the commercial risks.

MA05 Demonstrate knowledge, skills and understanding of management and business practices and a wide range of engineering materials and components.

MA06 Ability to apply innovative design processes in unfamiliar situations and engineering techniques in a range of commercial and industrial constraints.

Teaching, Learning and Assessment:

Students will develop the relevant knowledge and critical understanding through the following learning and teaching methods:

- Attending, taking notes and asking questions in lectures
- Using audio-visual learning materials
- Carrying out supervised practical work
- Discussing with fellow students and academic staff in seminars and workshops
- Discussing with academic staff in tutorials
- Reading articles, chapters and books
- Accessing appropriate sites on the internet
- Field trips to towns or cities, visiting buildings, construction sites and observing work in progress
- Interact with industry and industry professionals
- Interaction with the professional body
- Preparing appropriate documentation, to industry standards, including plans, specifications, cost information, based on realistic construction projects
- Performing group exercises and projects
- Making oral presentations
- Preparation of professional standard reports
- Supervised practical work such as surveying and laboratory tests
- Engaging in discussion with academic staff and fellow students in seminars, workshops and tutorials
- Preparing for examinations
- Using computer software for analysis and design
- Problem solving exercises, closed and open ended problems
- Information retrieval from articles, books and journals for assessment
- Critical examination of data.

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:

University provided support:
As well as providing general counselling support the University Counselling Service provides short courses on topics such as "Self Confidence", "Stress Management and Relaxation" and "Life Skills". They also provide study skills and academic support, providing short courses such as provide help in areas such as "Writing and Assignment Skills", "Exam Techniques", "Enhancing Professional Skills", "Personal Development Planning" and "Making Choices for the Future.

University Learning Centres provide general academic skills support to all students. You can make an appointment with a study skills advisor for advice on areas such as academic writing, assignment planning, exam preparation, and time management. In addition, there is a regular timetable of drop-in and bookable workshops covering information and digital literacy skills, including academic referencing. School of Technology students are supported by a designated subject librarian who is available to support research and project work.

Course support:
At the start of your course you will be assigned a Personal Tutor who will guide you through the induction process and provide support and academic counselling throughout your course on an appointment basis. They should be able to offer you advice and guidance to help you liaise with other staff and support facilities in the School and University.

The Student Support Advisers (SSA) provides academic counselling and will be accessible throughout the week on a drop-in or appointment basis to discuss timetables, requests for extensions, requests for extenuating circumstances, general concerns about study and student life and general programme planning. The SSA will act as a first point of contact in relation to leave of absence (including returning after leave), withdrawal, transferring to another course (internal and external) and changes to mode of attendance. Your Course Leader will be available thereafter for meetings by appointment to discuss leave of absence, withdrawal, transferring to another course (internal and external), changes to mode of attendance, returning after leave of absence and direct entrants.

Subject support:
Tutorials, workshops, seminars and meetings - provide the primary opportunities for students to interact with staff on topics relating to modules. All modules provide at least one of these forms of face-to-face support.

Formative feedback - tutors provide personalised written feedback on most summative assessments. The mechanism for feedback from purely formative tasks varies between assessments, but will always be provided in some form. Online formative tasks often provide feedback straight away. On occasions tutors may provide generalised verbal feedback to the whole class on points relating to an assessment.

Assessment and subject-based surgeries provide additional student support for subjects that students often need extra help with. They are often concentrated around the times when assessments take place. Revision sessions are provided for many modules that have exam-like tests and enable you to interact with tutors to review parts of the course. Mock exams and tests may provide opportunities to experience an examination environment before the final summative test and give you feedback on your understanding.

International Students:
The International Centre will provide pre and post entry visa and immigration support and advice on and arrange for the necessary paperwork to be submitted to UKBA. They will also provide appropriate University Induction support on arrival and be a point of contact for international students throughout their stay here. A range of social and cultural activities arranged by the International Centre will also promote the integration of international students into the whole of the University's learning community. English language support is also available through the international language centre in the University.

The University complements this by supporting your learning through the provision of generic study skills including communication and how to write academic assignments. In addition, there will be opportunities to

develop your information seeking and information management skills. These may be in the form of seminars or workshops delivered by LIS staff and embedded into the curriculum or by following the programme of "InfoBite" workshops available in the Learning Centres.

Employability in the Curriculum:

Graduates from the course will have employment opportunities under a variety of civil engineering, construction management or related disciplines. These opportunities will arise from consultancies, government agencies, local government, contractors, financial institutions, developers.

International graduates will have employment opportunities in similar governmental authorities and civil engineering companies within their respective countries. They will also have the opportunities to work on Donor community funded project in their respective countries.

Graduates from the MSc programme will have the opportunity to further their studies to higher degrees (e.g. PhD).

Graduates from the PgD and the PGCert can progress to the MSc programme if they achieve a satisfactory performance (e.g. pass all required modules).

THE UNIVERSITY OF OPPORTUNITY