# COURSE SPECIFICATION

## *BEng (Hons) Civil Engineering and Construction Management (Top Up)*

# COURSE SPECIFICATION

| | |
|---|---|
| Course Title | *BEng (Hons) Civil Engineering and Construction Management Top Up* |
| Final Award | *BEng (Hons)* |
| Exit Awards | *Ordinary degree.* |
| Course Code / UCAS code (if applicable) | U3799FTC/PTC |
| Mode of study | *Full time* |
| Mode of delivery | *Campus* |
| Normal length of course | *1 yr* |
| Cohort(s) to which this course specification applies | *from September 2025 intake onwards* |
| Awarding Body | *University of Portsmouth* |
| Teaching Institution | *University of Portsmouth* |
| Faculty | *Faculty of Technology* |
| School/Department/Subject Group | *School of Civil Engineering & Surveying* |
| School/Department/Subject Group webpage | *https://www.port.ac.uk/about-us/structure-and-governance/organisational-structure/our-academic-structure/faculty-of-technology/school-of-civil-engineering-and-surveying?_ga=2.19291706.349879048.1732185631-2117429313.1726061506* |
| Course webpage including entry criteria | *https://www.port.ac.uk/study/courses/undergraduate/beng-hons-civil-engineering-and-construction-management-top-up* |
| Professional and/or Statutory Regulatory Body accreditations | *None* |
| Quality Assurance Agency Framework for Higher Education Qualifications (FHEQ) Level | *level 6* |

This course specification provides a summary of the main features of the course, identifies the aims and learning outcomes of the course, the teaching, learning and assessment methods used by teaching staff, and the reference points used to inform the curriculum.
This information is therefore useful to potential students to help them choose the right course of study, to current students on the course and to staff teaching and administering the course.

Further detailed information on the individual modules within the course may be found in the relevant module descriptors and the Course Handbook provided to students on enrolment.

Please refer to the Course and Module Catalogue for further information on the course structure and modules.

## Educational aims of the course

*The course covers a multidisciplinary field that combines the technical aspects of civil engineering with the organisational, administrative, and planning abilities of management. It therefore prepares students to oversee complex construction projects.*

*The course aims to provide students with the knowledge and skills required to analyse and design civil engineering projects and to manage construction operations. This would include building an understanding of materials, geotechnics, water and transport infrastructure. Management aspects include how construction works in terms of technology, management, finance, safety and sustainability.*

*The broader educational aims include to:*

- *Apply the knowledge of appropriate mathematical methods, scientific and engineering principles to the solution of complex civil engineering and construction problems.*
- *Investigate and analyse complex civil engineering problems by evaluating technical literature and information, and by selecting and applying appropriate computational and analytical tools and techniques.*
- *Provide an educational experience that develops intellectual and practical skills*
- *Equip students with the necessary transferable skills for lifelong learning, employability and flexibility in the context of the changing construction industry*
- *Provide students with the skills and knowledge required to maximise career and postgraduate study opportunities*

## Course Learning Outcomes and Learning, Teaching and Assessment Strategies

The Quality Assurance Agency for Higher Education (QAA) sets out a national framework of qualification levels, and the associated standards of achievement are found in their Framework for Higher Education Qualifications document.

The Course Learning Outcomes for this course are outlined in the tables below.

| A. Knowledge and understanding of: | | | |
|---|---|---|---|
| **LO number** | **Learning outcome** | **Learning and Teaching methods** | **Assessment methods** |
| A1 | Fundamental concepts, principles and theories of core subjects relating to civil engineering | *lectures, tutorials, laboratory work, fieldwork and site visits.* | *examinations and coursework.* |
| A2 | The design process | *lectures, exercises and a design and management project.* | *reports, individual or group presentations* |
| A3 | the environmental impact of construction activities and how to minimise negative impacts during all stages of the project | *lectures, seminars, laboratory work, group work,* | *essays, presentations, exams* |
| A4 | the project management cycle including the planning, budgeting, project funding and payment processes so as to lead to effective project delivery | *lectures, seminars, group work,* | *essays, presentations, exams* |
| A5 | the construction process and of the materials and technology that comprise best practice | *lectures, seminars, laboratory work, group work,* | *essays, presentations, exams* |
| A6 | Health, Safety and Welfare issues on site, how to identify potential hazards and manage the risks | *lectures, seminars, group work,* | *essays, presentations, exams* |

| B. Cognitive (Intellectual or Thinking) skills, able to: | | | |
|---|---|---|---|
| **LO number** | **Learning outcome** | **Learning and Teaching methods** | **Assessment methods** |
| B1 | Use mathematical and engineering analysis techniques to solve problems | *lectures, tutorials, practical work* | *examinations, coursework* |
| B2 | Conduct and report laboratory experiments and field investigations | *laboratory exercises, fieldwork* | *coursework* |
| B3 | Set and review objectives, identify resources and their limitations and plan activities and work methods to ensure project completion on time | *individual and group projects* | *reports, individual or group presentations* |
| B4 | Manage risk and plan for its mitigation to minimise its impact | *lectures, seminars, laboratory work, group work,* | *essays, presentations, exams* |

| C. Practical (Professional or Subject) skills, able to: | | | |
|---|---|---|---|
| **LO number** | **Learning outcome** | **Learning and Teaching methods** | **Assessment methods** |
| C1 | Use standard and specialist laboratory equipment | *Fieldwork, laboratory exercises* | *coursework, reports* |
| C2 | Use computers and IT tools for the solution of problems | *computer practical/ simulations* | *coursework, reports* |
| C3 | Design of civil engineering systems, components and processes | *lectures, seminars and project work.* | *coursework, reports* |
| C4 | Identification of hazards and control measures to manage risks of health, safety, welfare and environment in line with legislation, hazards and safe systems of work | *lectures, seminars, laboratory work, group work,* | *essays, presentations, exams* |
| C5 | Identification of the standards required by clients and other stakeholders and effective procedures for managing, recording and improving quality | *lectures, seminars, group work,* | *essays, presentations, exams* |

| D. Transferrable (Graduate and Employability) skills, able to: | | | |
|---|---|---|---|
| **LO number** | **Learning outcome** | **Learning and Teaching methods** | **Assessment methods** |
| D1 | Communicate effectively in writing, orally, through graphical representations and drawing | *lectures, seminars, group work* | *reports, individual or group presentations* |
| D2 | Apply analytical techniques to problem solving | *lectures, tutorials, group work* | *coursework*, reports |
| D3 | Use IT to handle text, data, simulation and design | *lectures, tutorials, computer practical work* | *coursework* |

## Academic Regulations

The current University of Portsmouth Academic Regulations: Examination & Assessment Regulations will apply to this course. Approved course exemptions can be found here.

## Support for Student Learning

The University of Portsmouth provides a comprehensive range of support services for students throughout their course, details of which are available at the MyPort student portal.

## Evaluation and Enhancement of Standards and Quality in Learning and Teaching

The University of Portsmouth undertakes comprehensive monitoring, review and evaluation of courses within clearly assigned staff responsibilities. Student feedback is a key feature in these evaluations, as represented in our Policy for Listening to and Responding to the Student Voice where you can also find further information.

## Reference Points

The course and outcomes have been developed taking account of:

*Insert additional reference points or delete as required*

- University of Portsmouth Curriculum Framework Specification
- University of Portsmouth Vision
- Office for Students Conditions of Registration
- University of Portsmouth Code of Practice for Work-based and Placement Learning
- Quality Assurance Agency UK Quality Code for Higher Education
- Quality Assurance Agency Qualification Characteristic Statements
- Quality Assurance Agency Subject Benchmark Statement for ***Land, construction, Real Estate and surveying***
- UK Standard for Professional Engineering Competence (UK-SPEC)
- Quality Assurance Agency Framework for Higher Education Qualifications Requirements of Professional and/or Statutory Regulatory Bodies: **N/A**
- Vocational and professional experience, scholarship and research expertise of the University of Portsmouth's academic members of staff
- National Occupational Standards

## Changes to your course/modules

The University of Portsmouth has checked the information provided in this Course Specification and will endeavour to deliver this course in keeping with this Course Specification. However, changes to the course may sometimes be required arising from annual monitoring, student feedback, and the review and update of modules and courses.

Where this activity leads to significant changes to modules and courses there will be prior consultation with students and others, wherever possible, and the University of Portsmouth will take all reasonable steps to minimise disruption to students.

It is also possible that the University of Portsmouth may not be able to offer a module or course for reasons outside of its control, for example, due to the absence of a member of staff or low student registration numbers. Where this is the case, the University of Portsmouth will endeavour to inform applicants and students as soon as possible, and where appropriate, will facilitate the transfer of affected students to another suitable course.



| **Document Details** | |
|---|---|
| **CSD Template date** | *January 2025* |
| **Author** | *Dr Ken Awinda* |
| **Date of production and version number** | *[18/12/24] [Version number 1]* |
| **Date of update and version number** | |
| **Minimum student registration numbers** | 5 |