



UNIVERSITY OF
PORTSMOUTH

COURSE SPECIFICATION

MSc Building Information Management (BIM)

**Academic Standards, Quality and Partnerships
Department of Student and Academic Administration**

March 2018

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COURSE SPECIFICATION

Please refer to the [Course Specification Guidance Notes](#) for guidance on completing this document.

Course Title	<i>MSc Building Information Management (BIM)</i>
Final Award	<i>MSc</i>
Exit Awards	<i>PGCert, PGDip</i>
Course Code / UCAS code (if applicable)	<i>C2657F, C2657P</i>
Mode of study	<i>full time, part time</i>
Mode of delivery	<i>Campus</i>
Normal length of course	<i>1 year full time, 2 years part time</i>
Cohort(s) to which this course specification applies	<i>from September 2019 intake onwards</i>
Awarding Body	<i>University of Portsmouth</i>
Teaching Institution	<i>University of Portsmouth</i>
Faculty	<i>Faculty of Technology</i>
School/Department/Subject Group	<i>School of Civil Engineering and Surveying</i>
School/Department/Subject Group webpage	<i>http://www.port.ac.uk/school-of-civil-engineering-and-surveying/</i>
Course webpage including entry criteria	<i>http://www.port.ac.uk/courses/architecture-property-and-surveying/msc-building-information-management-bim/</i>
Professional and/or Statutory Regulatory Body accreditations	<i>Accreditation by RICS/JBM is pending</i>
Quality Assurance Agency Framework for Higher Education Qualifications (FHEQ) Level	<i>level 7</i>

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 [Module Web Search](#) for further information on the course structure and modules.

Educational aims of the course

The proposed course aims to simulate the real-life working environment by enabling collaboration amongst different stakeholders. Moreover, it aims to attract students with different backgrounds, i.e. construction management, architecture, civil engineering, quantity surveying, operation/project management, different backgrounds in engineering, etc. Hence, the nature of the proposed interdisciplinary course is to reach to a wider range of students without the prerequisite of having an in-depth knowledge in the field. MSc BIM:

- Responds to an urgent need for Architectural, Engineering, and Construction (AEC) industry specialists, seeking to develop skills in the theory and practice of BIM.
- Proposes a new curriculum, designed to address this shortcoming and aims to allow for students to develop skills, knowledge and understanding in BIM, including both the theoretical and practical implications of such a method of working, and to facilitate the development of research skills to enable further individual specific research enquiry.

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	Learn a holistic approach to AEC projects using state-of-the-art BIM software	Tutorials	Examinations, Portfolios
A2	Learn from industrial guest lecturers from leading companies in the practical implementation of BIM, as well as meetings, conferences, and seminars holding by the University of Portsmouth. This will help students establish relevant contacts and links to the industry	Seminars	Presentations
A3	Work on an individual research project allowing students to develop specific skills and knowledge tailored to their chosen career path. They will receive full training in appropriate research methods	Tutorials	Portfolios

B. Cognitive (Intellectual or Thinking) skills, able to:

LO number	Learning outcome	Learning and Teaching methods	Assessment methods
B1	Demonstration of a comprehensive understanding of the techniques and methods available for research (suitable to level 7)	Lectures	Reports
B2	Capability to critically document, scrutinise, evaluate, and present on BIM area from a given AEC project (suitable to level 7)	Lectures	Portfolios, Presentation
B3	Development of a thorough knowledge of BIM (theory and practice) and its application within the AEC industry	Lectures	Reports, Presentation
B4	Ability to collaborate with an AEC professional in a	Lectures	Reports

LO number	Learning outcome	Learning and Teaching methods	Assessment methods
	<i>chosen field and research</i>		

C. Practical (Professional or Subject) skills, able to:

LO number	Learning outcome	Learning and Teaching methods	Assessment methods
C1	<i>Apply the design process to enable the selection of appropriate processes</i>	<i>Tutorials, Lectures</i>	<i>Portfolios, Presentations, Reports</i>
C2	<i>Communicate technical information in a lucid manner to both management and technical staff.</i>	<i>Lectures</i>	<i>Portfolios, Reports</i>
C3	<i>Think creatively in order to develop design and analytical solutions.</i>	<i>Tutorials</i>	<i>Portfolios</i>

D. Transferrable (Graduate and Employability) skills, able to:

LO number	Learning outcome	Learning and Teaching methods	Assessment methods
D1	<i>Communicate effectively in writing, speaking and in appropriate forms of presentation</i>	<i>Lectures, Seminars</i>	<i>Examinations, Presentations, Reports</i>
D2	<i>Read and understand documents related to AEC projects and BIM software packages</i>	<i>Tutorials</i>	<i>Portfolios</i>
D3	<i>Use information technology to handle data</i>	<i>Tutorials</i>	<i>Portfolios</i>
D4	<i>Assess problem domains and formulate appropriate problem solving strategies</i>	<i>Tutorials</i>	<i>Examinations, Portfolios</i>
D5	<i>Collaborate in teams to achieve goals and develop projects</i>	<i>Tutorials</i>	<i>Reports, Portfolios</i>

Academic Regulations

The current University of Portsmouth [Academic Regulations](#) will apply to this course.

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:

- [University of Portsmouth Curriculum Framework Specification](#)

- [University of Portsmouth Education Strategy 2016 - 2020](#)
- [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
- [Quality Assurance Agency Framework for Higher Education Qualifications](#)
- Requirements of Professional and/or Statutory Regulatory Bodies: **Joint Board of Moderators, Royal Institution of Chartered Surveyors: Partnership arrangements between the University of Portsmouth and the Royal Institution of Chartered Surveyors and Joint Board of Moderators.**
- Vocational and professional experience, scholarship and research expertise of the University of Portsmouth's academic members of staff
- National Occupational Standards
- Construction, Property and Surveying QAA Subject Benchmark Statements
- Royal Institution of Chartered Surveyors (RICS) Policy and Guidance on University Partnerships
- Joint Board of Moderators (JBM) Policy and Guidance on University Partnerships

Disclaimer

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.

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Document details

Author	<i>Sepehr Abrishami</i>
Date of production and version number	<i>10/12/2015, V1</i>
Date of update and version number	<i>16/08/2018, V3</i>
Minimum student registration numbers	<i>15</i>