Course Specification
Part A

BSc (Hons) Construction Management
Course code: EECU082

Faculty of Engineering Environment & Computing
School of Energy, Construction & Environment
Academic Year: 2020/2021

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.
PART A Course Specification (Published Document)
BSc (Hons) Construction Management

1. Introduction

The requirement for appropriately trained and qualified construction professionals with an understanding of the needs of the modern and future industry is an ever increasing necessity. Over recent years the focus in the sector has changed from the purely technical to encompass an increasing awareness of the effects of the built environment on the natural environment. The need to produce more buildings, for ever increasing populations, but with a greater understanding and consideration of the finite nature of the resources available to achieve this. It is therefore essential that in these times of change the graduates from the BSc (Hons) in Construction Management at Coventry University are well prepared for the challenges which they will face during their careers.

The modern Construction Manager needs to have a knowledge of areas not only of new development, but also conservation and improvement of the existing built environment. This must all be seen against the background of an increasing awareness of the need for responsibility for sustainable development, and the ability to make use of new innovations and technologies in the world of work.

This course is accredited by the Chartered Institute of Building (CIOB) and is designed to equip you with the knowledge and skills to enter the world of construction management with confidence in your ability in the areas of technology, legislation, costing and the performance of buildings. Additionally, we will encourage you to develop the innovation and creativity required to tackle the complex problems now facing the industry surrounding space, sustainability, cost and technology not just in the UK but with consideration for the global nature of the industry.

A unique aspect of the BSc (Hons) Construction Management course, and therefore an excellent reason to choose Coventry University is our access and use of our Simulation Centre which is located on our main campus. The facility allows us to simulate ‘real life’ construction scenarios and engage our students in role play. A control room in the simulation centre monitors the activity of students via cameras allowing staff to provide immediate feedback. Simulated exercises help to prepare our students for the challenges of the professional world and ease the transition into the workplace after graduation. This is an integral part of the level 3 programme on the BSc (Hons) Construction Management.

You will be taught by staff with extensive experience, both academic and professional, in areas such as Construction Management, Architectural Practice, Civil Engineering and the wider construction industry. This breadth and depth of knowledge and experience is vital to ensure that upon graduation you not only understand your role, but the importance of the multi-disciplinary nature of the construction industry as a whole. We also have a strong portfolio of industry-related research, particularly in the areas of low carbon building technology, sustainable construction materials and engineering education, which ensures you will stay abreast of new technologies and emerging issues.

Teaching on the course is highly practical, with field trips and live assessment in areas such as surveying. A number of activities and assessments are through case studies, so that you can apply your learning to situations you will face in your post university life. Each year there is also a group project, to simulate the need to work with other professions on projects for their successful completion.

The course has national and international links with BRE (Building Research Establishment) and SHAPE – School for Higher and Professional Education in Hong Kong.
In summary the BSc (Hons) in Construction Management at Coventry University will give you the following opportunities and benefits:

- We enjoy excellent links with employers like Kier Willmott Dixon and Galliford Try, and manufacturers such as Ibstock Brick who support our teaching with the aid of site visits and guest speakers.
- Common first year makes it possible to transfer to Architectural Technology, Building Surveying, Quantity Surveying & Commercial Management in the second year if you wish.
- Opportunity to gain additional professional qualifications as well as your degree e.g.
  - An Autodesk certificate in Computer Aided Design (CAD)
  - Undergo a Building Research Establishment Energy Assessment Method (BREEAM) course to become an Accredited Graduate (BREEAM AG)
  - Undergo the Building Information Modelling course and become an accredited graduate (BIM AG)
  - CSCS card
- Apply for a full year work placement which can count towards your professional Chartered status.
- Study on shared modules alongside students on a wide range of other professional disciplines, such as, architectural technology, quantity surveying, building services engineering and civil engineering, reflecting the interdisciplinary nature of today's construction industry.
- Collaborative links with universities in 20 countries around the world, giving you the chance for you to spend part of your studies abroad.

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

<table>
<thead>
<tr>
<th>Title of Award</th>
<th>Mode of attendance</th>
<th>UCAS Code</th>
<th>FHEQ Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Hons) Construction Management</td>
<td>FT 3 years, FT 4 years*, SW 4 years*</td>
<td>K200</td>
<td>6</td>
</tr>
<tr>
<td>Fallback: BSc Building Studies</td>
<td>FT 3 years, FT 4 years*, SW 4 years*</td>
<td>N/A</td>
<td>6</td>
</tr>
</tbody>
</table>

### 3 Awarding Institution/Body

Coventry University

### 4 Collaboration

Coventry University

### 5 Teaching Institution and Location of delivery

Coventry University

### 6 Internal Approval/Review Dates

Date of approval: July 2019
Date for next review: February 2026

### 7 Course Accredited by

BSc Construction Management is accredited by the Chartered Institute of Building (CIOB)

### 8 Accreditation Date and Duration

CIOB accreditation is current from 2018-2023.

### 9 QAA Subject Benchmark Statement(s) and/or other external factors

CIOB publishes an educational framework which is required to be referenced in course design and specification, when seeking accreditation.

### 10 Date of Course Specification

July 2019
| **Course Director** | BSc (Hons) Construction Management – Araz AGHA |
12 Outline and Educational Aims of the Course

The specific aims of the provision have evolved over many years and the BSc (Hons) Construction Management Course has been provided in order to reflect the changing structure of the industry and to equip students to meet the future challenges as well as to take advantage of current thinking as to best practice in education.

The specific course aims are as follows:

1. to ensure that the BSc (Hons) Construction Management Course at Coventry University maintains a position at the forefront of higher education in building by satisfying the requirements of the Construction Industry and Profession at both national and international levels;
2. to provide an up to date curriculum which meets the needs of the Construction Management profession in order that graduates will succeed in chosen career directions;
3. to allow the students enrolling on the course with a wide range of academic attainments to achieve their academic and personal development potential;
4. to provide adaptability and flexibility for students to study on a full time, sandwich or part time basis and accommodate the changing circumstances of individuals by allowing them to vary their mode of study;
5. to be of benefit to the community at large by providing graduates whose employment in the built environment, as well as other spheres of employment, is to the national and international good.
6. to provide opportunities for students on undergraduate courses to study alongside colleagues from other construction related disciplines in integrated project work and other common modules which simulate the environment in which they will work upon graduation.

13 Course Learning Outcomes

A student who successfully completes the BSc (Hons) Construction Management course will have achieved the following Course Learning Outcomes.

1. Examine the main principles of building technology, design and performance. This will include legal, financial, social, technological aspects of the building during the inception, planning design, construction, use and redundancy phases
2. Analyse the multi-disciplinary nature of the construction process. The roles and responsibilities of the construction professionals and stakeholders, and a respect for the fellow team members in terms of both diversity and cultural values.
3. Appraise and evaluate current issues in construction including sustainability, innovation and internationalisation.
4. Knowledge and application of ethics and professionalism within the construction management role. Governance and corporate social responsibility in respect to procurement, finance and contractual processes and working practices.
5. The ability to analyse, synthesise and evaluate key issues relating to construction management in a format appropriate to the audience
6. The ability to produce professional reports in accordance with published conventions and/or client expectations.
7. Promotion of the safe working environments and practices in terms of legislation, management and personal responsibility
8. Evaluate and use a range of appropriate IT platforms for the efficient and appropriate completion of construction related tasks.
14 Course Structure and Requirements, Levels, Modules, Credits and Awards

Modules within the course, their status (whether mandatory or optional), the levels at which they are studied and their credit value are detailed in the tables at the bottom of this section.

The BSc (Hons) Construction Management Course may be studied via the following modes of attendance: full-time, sandwich and *part-time (*from level 5 onwards). Part time students study alongside full time and sandwich students, the timetable is arranged to facilitate part time students to study approximately half of a full time level of study in any one academic year.

The course structure is detailed in tables at the bottom of this section.

All programmes are covered by the University’s Regulations.

(a) BSc (Hons) Construction Management

With the exception of one course specific practice module the BSc (Hons) Construction Management course shares a common first year which with BSc (Hons) Architectural Technology, BSc (Hons) Building Surveying and BSc (Hons) Quantity Surveying and Commercial Management which permits students to transfer from one course to another at the end of the first year of full time study, subject to academic performance and approval by Course Directors. Experience suggests that this is a valuable feature since many students are unsure of their preferred career route at the commencement of their studies. This facility is also subject to restrictions imposed by professional bodies.

On entry to the second stage, students continue to receive material common to all building disciplines in some modules, but in this and the final stage, the focus of their course relates to the study of material specific to the construction management discipline, in particular related to the management of resources and contracts.

The course structure is represented in the tables at the bottom of this section and the course is accredited by The Chartered Institute of Building (CIOB).

The conditions for this award are given in Section 14.4

(b) BSc Degree in Building Studies

This degree is provided for students who fail to pass sufficient mandatory modules to be awarded the degree referred to in (a) above. These awards are not accredited by any professional institution.

The conditions for the awards of BSc in Building Studies are given in Sections 14.5

14.1 Add+vantage scheme

As required by University regulations, students will take one 10 credit Add+vantage module at each of the three stages. The Add+vantage scheme is a University initiative for broadening students’ studies. It is a large collection of 10 credit modules. Students are required to take one of these at each level of their degree (though part-time students are exempt). The modules offer scope for study in a wide variety of areas, many linked to ‘graduateness’ and ‘employability’. The scheme includes languages, law, advanced IT and mathematical skills.

14.2 Progression through the Programme of Study

To progress from level 4 to level 5 and from level 5 to level 6 of the programme students must normally pass all modules. Students who fail to pass sufficient modules to progress will be considered under the Academic Regulations. The outcome will be at the discretion of the Programme Assessment Board (PAB). Due to professional accreditation, and comparison across the undergraduate degrees within the School, only certain modules can be condoned by the PAB. The detail of condonable modules is shown in the tables at the bottom of this section.

14.3 Professional Training or Study Abroad and the award of Sandwich degrees (Optional)

Students are strongly advised to avail themselves of the ‘sandwich’ as opposed to the ‘full-time’ mode of study, the principal benefits being that the employment experience makes students more employable and they gain a wider knowledge of their chosen building discipline.
Students may undertake a year out in industry or a year studying abroad with support of the Erasmus exchange scheme, between level 5 and 6 of their course. Students will be enrolled onto relevant modules which they must take and pass to achieve a Sandwich (SW) degree (for 5013CEM) or a Full Time with Study Abroad (FY) degree (for 5013CEM).

14.4 Conditions for the award of an honours degree in Construction Management:

The award of an honours degree from this course requires:
(a) a pass or exemption given in all mandatory modules, and;
(b) the minimum number of module passes required for the award as indicated by the Academic Regulations.

NB. The classification calculation is detailed in the Academic Regulations.

14.5 Conditions for the fallback award of BSc Building Studies (unclassified)

This fallback award is provided for students who do not pass sufficient mandatory modules to be awarded the named degrees referred to above. The BSc Building Studies degree (unclassified) is not accredited by any professional institutions.

The award of this unclassified degree requires the minimum number of credits indicated in the Academic Regulations.

14.6 Cascade of Awards

BSc (Hons) Construction Management

↓

BSc Building Studies

↓

Diploma of Higher Education

↓

Certificate of Higher Education
<table>
<thead>
<tr>
<th>Credit level</th>
<th>Module Code</th>
<th>Title</th>
<th>Semester</th>
<th>Assessment Credit Value*</th>
<th>Mandatory/Optional</th>
<th>Course Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4041EXQ</td>
<td>Project Design Skills</td>
<td>1</td>
<td>20</td>
<td>M</td>
<td>1,3,6,7 &amp; 8</td>
</tr>
<tr>
<td>4</td>
<td>4042EXQ</td>
<td>Domestic Building Science and Services</td>
<td>1</td>
<td>10</td>
<td>M</td>
<td>1,2,3,4,6,7 &amp; 8</td>
</tr>
<tr>
<td>4</td>
<td>4043EXQ</td>
<td>Domestic Construction Technology</td>
<td>1</td>
<td>10</td>
<td>M</td>
<td>1,2,3,6 &amp; 7</td>
</tr>
<tr>
<td>4</td>
<td>4044EXQ</td>
<td>Construction Materials</td>
<td>1</td>
<td>10</td>
<td>M</td>
<td>1,2,3,5,6,7 &amp; 8</td>
</tr>
<tr>
<td>4</td>
<td>4045EXQ</td>
<td>Construction Industry Practice 1</td>
<td>1</td>
<td>10</td>
<td>M</td>
<td>2,4,5,6 &amp; 8</td>
</tr>
<tr>
<td>4</td>
<td>4046EXQ</td>
<td>Land and Building Surveying</td>
<td>2</td>
<td>10</td>
<td>M</td>
<td>1,3,5 &amp; 7</td>
</tr>
<tr>
<td>4</td>
<td>4047EXQ</td>
<td>Building Project 1</td>
<td>2</td>
<td>30</td>
<td>M</td>
<td>1,2,3,4,6,7 &amp; 8</td>
</tr>
<tr>
<td>4</td>
<td>4030EXQ</td>
<td>Group Project (Activity Week)</td>
<td>2</td>
<td>10</td>
<td>M</td>
<td>1,2,3,4,6,7 &amp; 8</td>
</tr>
<tr>
<td>4</td>
<td>Add+Vantage</td>
<td>(Student choice)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>5</td>
<td>5043EXQ</td>
<td>Law for Construction Professionals</td>
<td>1</td>
<td>10</td>
<td>M</td>
<td>1,4 &amp; 7</td>
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<tr>
<td>5</td>
<td>5044EXQ</td>
<td>Commercial Construction Technology</td>
<td>1</td>
<td>10</td>
<td>M</td>
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<td>5</td>
<td>5045EXQ</td>
<td>Construction Industry Practice 2</td>
<td>1</td>
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<td>5</td>
<td>5046EXQ</td>
<td>Commercial Building Science and Services</td>
<td>1</td>
<td>10</td>
<td>M</td>
<td>1,2,3,6,7 &amp; 8</td>
</tr>
<tr>
<td>5</td>
<td>5048EXQ</td>
<td>Project Administration</td>
<td>2</td>
<td>10</td>
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</tr>
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<td>5</td>
<td>5052EXQ</td>
<td>Construction Project Management 1</td>
<td>1</td>
<td>20</td>
<td>M</td>
<td>1,2,4,5, &amp; 8</td>
</tr>
<tr>
<td>5</td>
<td>5049EXQ</td>
<td>Building Project 2</td>
<td>2</td>
<td>30</td>
<td>M</td>
<td>1,4,6 &amp; 8</td>
</tr>
<tr>
<td>5</td>
<td>5030EXQ</td>
<td>Group Project (Activity Week)</td>
<td>2</td>
<td>10</td>
<td>M</td>
<td>1,2,3,4,6,7 &amp; 8</td>
</tr>
<tr>
<td>5</td>
<td>Add+Vantage</td>
<td>Student choice</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>(SY)</td>
<td>5012CEM**</td>
<td>Professional Training Year</td>
<td>1&amp;2</td>
<td>0</td>
<td>O</td>
<td>1,2,3,4,5,6,7 &amp; 8</td>
</tr>
<tr>
<td></td>
<td>5013CEM**</td>
<td>International Experience Year</td>
<td>1&amp;2</td>
<td>0</td>
<td>O</td>
<td>1,2,3,4,5,6,7 &amp; 8</td>
</tr>
<tr>
<td>6</td>
<td>6043EXQ</td>
<td>Contract Management</td>
<td>1</td>
<td>20</td>
<td>M</td>
<td>2,4 &amp; 6</td>
</tr>
<tr>
<td>6</td>
<td>6030EXQ</td>
<td>Group Project 3</td>
<td>2</td>
<td>20</td>
<td>M</td>
<td>1,2,3,6,7 &amp; 8</td>
</tr>
<tr>
<td>6</td>
<td>6057EXQ</td>
<td>Research Dissertation - Building</td>
<td>2</td>
<td>30</td>
<td>M</td>
<td>1,3,4,5 &amp; 6</td>
</tr>
<tr>
<td>6</td>
<td>6047EXQ</td>
<td>Construction Project Management 2</td>
<td>1</td>
<td>20</td>
<td>M</td>
<td>4,5 &amp; 6.</td>
</tr>
<tr>
<td>6</td>
<td>6048EXQ</td>
<td>Sustainability and Innovation in Construction</td>
<td>1</td>
<td>20</td>
<td>M</td>
<td>1,2,4,5,6,7 &amp; 8</td>
</tr>
<tr>
<td>6</td>
<td>Add+Vantage</td>
<td>Student choice</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

* Assessment credit value and Teaching Credit value are equal for all modules.

Notes: ¹The sandwich year modules 5012CEM and 5013CEM are listed on the student’s final degree transcript, but do not count toward the degree classification.
15 Criteria for Admission and Selection Procedure

First Year Entry

BSc (Hons) Construction Management

Entry requirements to the first year of the course require that candidates will normally be 18 on the 31 December of the year of entry and should normally meet the entry requirements of their select course as detailed on our University website: http://www.coventry.ac.uk/study-at-coventry/course-search/

Non-native English speakers require an IELTS score of 6.0. Alternatively students may be admitted with IELTS 5.5 if they attend and pass a compulsory five week pre-sessional English course.

Direct entry to second year
An applicant possessing an appropriate HND or HNC or other equivalent qualification in a construction discipline from another institution with a merit profile or better will be considered for level 5 direct entry onto the BSc (Hons) Construction Management course.

UCAS entry profiles may be found by searching for the relevant course on the UCAS website, then clicking on ‘Entry profile’

16 Academic Regulations and Regulations of Assessment

This Course conforms to the standard University Academic Regulations Mode E
17 Indicators of Quality Enhancement

The following are key indicators of quality and standards:

- The BSc (Hons) Construction Management course has been designed in accordance with the QAA benchmark statements for Construction, Property & Surveying and relevant aspects of Construction as appropriate.
- The School has a strong portfolio of industry-related research, particularly in the areas of low carbon building technology and sustainable construction materials, and engineering education.
- All courses in the School are accredited (or are seeking accreditation) from the relevant professional institutions.
- All staff who teach on the course are active in scholarship/research and have a range of professional experience in construction management, construction finance, architectural practice, civil engineering and related built environment professions.
- The School has excellent links with local employers through our Building Advisory Board. These local employers provide input to course management, delivery and development.
- There is a diverse and active range of research activities influencing programmes in most areas of the Faculty.
- All of the existing programmes carry external professional recognition;
- Strong and regular industry input to the subject-base. This is achieved in many ways, for example through the long-stranding advisory boards, industry-focused collaborative research initiatives and use of guest speakers from industry.

QAA

- The University’s quality procedures were confirmed by a QAA Higher Education Review in 2015.

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.
18 Additional Information

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

- Student Handbook
- Course Handbook
- Module Guides
- Moodle Course & Module Webs
- Module Information Directory [https://webapp.coventry.ac.uk/MidWebNext/Main.aspx](https://webapp.coventry.ac.uk/MidWebNext/Main.aspx)
- EEC Student Portal [https://students.coventry.ac.uk/EC/Pages/Home.aspx](https://students.coventry.ac.uk/EC/Pages/Home.aspx)
- Coventry University Student Portal [https://students.coventry.ac.uk/Pages/index.aspx](https://students.coventry.ac.uk/Pages/index.aspx)

Induction

Students engage in a series of induction events, 'Student Essentials' over the first six weeks of their programme. The Student Essentials encompass a number of academic, administrative and social events including a welcome and introduction to the university, the facilities and the faculty. As part of the Student Essentials induction events, all students are directed to an online student handbook and a course handbook which provides key information.

Buildings and Equipment

The faculty is mainly based within two buildings, the Engineering and Computing building and the Sir John Laing building, all of which are equipped with specialist equipment to support students. This includes a high performance engineering centre which houses a full size harrier, three further simulators, a wind and smoke tunnel, civil engineering specialist testing equipment, a range of CNC machinery, a laser workshop and a 3D Geoscience Information Laboratory.

Student Support

Students will be allocated an Academic Personal Tutor who will provide on-going academic support throughout the year. Students are expected to attend regular meetings with their tutor within a timetabled group meeting. Support is also available via Course Directors, who are available to advise students on academic and pastoral issues. Times that Course Directors are available to meet with students will be shown on course Moodle webs and also their location. Module Leaders and the associated module team are available to offer support at module level. Again Module Leaders advertise their contact times on module Moodle webs and also their location. Outside of office hours, you can also email any member of academic staff.

The Faculty Registry team support you through your studies, providing information and guidance on the rules and procedures that affect your academic progress. Faculty Registry can help you deal with problems you may be having with academic life and help you understand the University’s academic processes and regulations. They have a detailed understanding of the curriculum structures and other specialist support that is available to you within the University.

The Faculty Registry have offices located close to the main Student Information Points/Receptions. Students can drop by the Registry support desk which is next to reception in the ECB; Monday – Friday from 1000 – 1600. Or Students can contact Registry staff via the Reception desks in the EC building or the John Laing building; Monday – Friday from 0830 – 1700. This team can also be emailed FacultyRegistry.eec@coventry.ac.uk at any time and this will be passed to each student's dedicated course support team to respond to.

The Faculty Learning Support Co-ordinators and Learning Support Tutors work closely with the Disabilities Office in the Hub and Course Teams within the Faculty. Reasonable adjustments will be made for students with disabilities who have registered with the University as requiring additional support with their studies.

The University has an excellent record on widening access and welcomes students from all backgrounds and neighbourhoods with low participation in higher education.

Students have access to a Maths Support Centre called SIGMA based in the Library. The Centre for Academic Writing (CAW) can also provide support on topics ranging from how to organise an academic argument to improving grammar and sentence structure. The university provides support for students’ health and wellbeing
which includes a Medical Centre, Spirituality and Faith Centre, Counselling and Mental Health Service, Sports and Recreational Centre and a Nursery.

The Student’s Union also provide recreational facilities, support, and advice for students. International Students may obtain further help from the student welfare team in the International Student Centre.

There is a careers service where qualified consultants are available to help students think about the issues they face as they move through University studies and prepare for employment.

Students may seek to undertake a relevant professional/international placement year between levels 5 and 6 of an undergraduate degree, this opportunity is encouraged to provide students with the depth of experience that such an opportunity affords. Assistance with acquiring a relevant placement is offered by the Faculty’s Placement Team – EEC Futures. Within each School there is also an Industrial Placement Tutor who will be identified to you during your course.

Library – There is also additional support for all students learning within the Lanchester Library. The library hosts both physical books, administers central access to electronic resources (e-books and electronic journals) as well as document supply (obtaining books or journal articles from other universities).