



## Course Information Form

This Course Information Form provides the definitive record of the designated course

### General Course Information

Course Title	Construction Management
Qualification	BSc (Honours) Top-up - Level 6 only
FHEQ Level	6
Intermediate Qualification(s)	
Awarding Institution	University of Bedfordshire
Location of Delivery	AA
Mode(s) of Study and Duration	One year Full Time – Two years Part Time
Professional, Statutory or Regulatory Body (PSRB) accreditation or endorsement	
UCAS Course Code	K221
External Benchmarking	QAA FHEQ level descriptor QAA Subject Benchmark Statement for Construction
Entry Month(s)	October

#### Why study this course

This dynamic course will provide you with the essential construction skills, work ethics and transferrable skills, which are expected from construction management graduates within the industry.

The course is comprised of five units, which cover key areas ranging from the policies and new technologies that influence construction, through to project management methodology.

A key element of the Honours degree is Project-based (Dissertation) learning. Students are required to undertake a self-selected project. The students will have a Supervisor assigned to them (post agreement of the topic). The Unit tutor will ensure that the project meets both the student's needs and the academic requirements of the Honours degree.

## Educational Aims

The composition of this course is structured around the key attributes that an effective employee or graduate should have once in industry:

- Developed personal skills with both the confidence and ability to express creativity, both individually and as part of a team;
- Gained the ability to promote a responsible, professional attitude towards the selection and use of both data and skills, within team based contexts;
- Established an in-depth understanding of construction management, and developed a critical awareness of new emerging solutions and technologies;
- Developed a comprehensive awareness of the wider cultural, social, political, economic and ethical implications of projects within the construction industry;
- Applied appropriate knowledge and skills to a piece of work on construction management through the Honours Project, which reflects the programme being studied.

In addition to the broad aims of the course, the specific qualities built into the curriculum ensure that students will gain a systemic understanding of new developments and application. Students will also develop the capacity to analyse, assess and recommend high-level strategies for materials, structures and methods.

The specific objectives of this course, therefore, are to provide students with the skills and knowledge of key subject areas, which relate to sustainability at operational, tactical and strategic levels for modern building technologies. The course will equip students with:

- The aptitude to solve problems within various settings;
- The competence to develop concepts and apply them in pragmatic ways;
- Advanced analytical skills that can be used within organisations;
- A perceptive insight into technology-related issues;
- The ability to understand policies within local and global contexts, and the capability to identify emerging legislation;
- A good understanding of how the design of a construction project can impact on the success and implementation of that project;
- The aptitude to think and plan strategically in the design of construction projects;
- A good understanding of the societal implications of emerging technologies in construction;
- The aptitude to analyse, synthesise, critique and evaluate various means of building technologies, their deployment and leading-edge ideas.

## Course Structure

The Units which make up the course (including the Professional Practice Year as applicable) are:

Unit Code	Level	Credits	Unit Name	Core or option
CLD001-3	6	45	Honours Project	Core
CLD002-3	6	30	Emerging Technologies and Policy Development in Construction	Core
CLD003-3	6	15	Contract Procurement and Risk Management in Construction	Core
CLD005-3	6	15	Construction Economics	Core
CLD006-3	6	15	Construction Project Management	Core

### Entry requirements

Standard:

Standard entry requirements for UK students –  
<http://www.beds.ac.uk/howtoapply/ukugentryreqs>

Students from the European Union - <http://www.beds.ac.uk/howtoapply/eu/guides>

International students - <http://www.beds.ac.uk/international/international-applications/how-to-apply>

Candidates will typically be progressing from level 5 qualification such as Foundation Degree, HND, NVQ 5, or other equivalent qualifications or through interview by the course coordinator.

### Graduate Impact Statements

The course has been designed to develop graduates who are able to:

- Use a comprehensive knowledge of construction management to apply innovative human resource and project-specific management approaches to complex construction project scenarios.
- Work effectively not only as a team member but also a leader, and engage and collaborate with key parties from a range of disciplines from across construction project teams.
- Respond to a rapidly changing construction industry by implementing and managing the fundamental factors that contribute to the successful delivery of sustainable construction projects, identifying emerging market opportunities, and establishing the viability and profitability of construction projects.

## Course Learning Outcomes

Upon successful completion of the course, you should have:

LO1: Detailed understanding of construction management responsibilities for a wide range of project types and applications, which represent developments at the cutting-edge of the construction industry.

LO2: Ability to accurately analyse project risk, legislative impact, and financial management requirements, throughout the project lifecycle.

LO3: Recommended valid arguments for the development of solutions, which are supported by the best-suited management approaches, for complex construction project scenarios.

LO4: Ability to autonomously manage and implement cutting-edge construction solutions by utilising a wide range of scholarly resources and developments, and to recognise the limitations of the information available.

LO5: Ability to communicate technical project solutions to both construction specialist and non-specialist audiences to a high level of professionalism.

## PSRB details

N/A

## Learning and Teaching

The learning and teaching strategy is focused on the explanation of theoretical concepts, accompanied by tutor-supported practical activity to reinforce understanding. This is accomplished through a combination of lectures, tutorials, moderated discussions/debates, peer group discussions/support, directed practical activity with dedicated online technical support, and a database of reading materials.

This strategy shall often be delivered as combined lectures/discussion/practical research in one session, with academic and demonstrator support. Additionally, there will be self-directed research and work-based practical activity, which can be assisted by the use of teaching packs, online technical indexes, and internet/government publications. The particular form of support will be module specific; however, all are characterised by tutor support and a pragmatic approach to activity.

All teaching sources are available within the BREO Virtual Learning Environment (VLE), which includes references and links, general unit and course information, discussion groups, tests and assessments. The VLE is available outside of the University to enrolled students.

Students entering on the course are already likely to have some experience of using computers and their operation. Therefore the approach to teaching and learning begins with student-centred methods and progresses towards independent learning. As the teaching is centred on students, the course structure aims to build their confidence by providing timely and informative feedback under the guidance of their lecturer/tutor.

Project supervision involves regular tutorial contact between groups/individuals and their supervisor. The project is integral to the Honours-nature of student study and is seen, both within the University and outside, as an indication of the overall ability and performance of the student.

### **Assessment**

A range of assessment methods are used throughout the course. The types of assessment used range from practical work, which assesses the practical application of knowledge and concepts gained in lectures, seminars, and also from learning acquired during self-study, through to presentation and report based assessments. Time controlled in-class tests are also utilised to allow the students to experience and adjust to industry requirements.

Assessment submissions will be made via the BREO VLE online portal. Please note that the system may 'timeout' if the period of upload is excessive due to overly-large files. Students are therefore encouraged to submit file sizes of less than 20MB. Should you wish to submit larger files, please leave sufficient time to test the submission/discuss with the Unit tutor, prior to the assessment deadline.

**Assessment Map**

Unit Code	C / O	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
CLD001-3	c												x																	x
CLD002-3	c										x					x														x
CLD003-3	c										x			x																
CLD005-3	c										x			x																
CLD006-3	c																													x

### **Developing your employability**

This course is taught by experienced professionals with a focus on pragmatism and key industry requirements. Guest lecturers are also included to provide an opportunity for students to learn from practitioners operating within the industry. The course specifically encourages the students to attend specialist seminars and trade shows to further their exposure to current developments within the industry. By presenting your research and analysis you will also develop your presentation and communication skills, which are deemed to be essential within the industry.

### **After Graduation**

On successful completion, you may progress to the following courses:

- Students have previously progressed to Project Management, Systems Engineering and other Post Graduate studies at either the University of Bedfordshire or other universities.

On completing this course students are likely to progress to work as a;

- Construction manager
- Project manager
- Site supervisor / manager
- Facilities manager
- Building services technician
- Estimator
- Buyer

### **Additional Information**

#### **Student Support during the course**

There is a dedicated student support team. The team is here to help you settle in to University life and give advice on a range of issues such as: part-time work, how to open a bank account, places of worship and local places of interest. Before the start of the course, there will be a student induction programme, which is designed to enrich your time of study at the University, as well as help you to settle in, adjust to your surroundings and get to know your way around.

For International students, further induction sessions will cover areas such as administrative arrangements, academic study in the UK, financial regulations and personal safety.

There will be a wide variety of support throughout your studies. If you have questions or problems with academic matters, support can be provided by the Course Coordinator. In the event of an illness during the course, or if you have significant personal or family problems, the Student Mitigation Team can offer you independent and confidential advice. The Mitigation Team should be the only people who can grant extensions for assignment hand-in dates, provided you have a valid reason. Further support is provided by the Student Information Desk (SiD), and by the Students Union. If you have queries or difficulties with particular subject areas, Unit Tutors should be consulted.

The full range of University support services is available at: [www.beds.ac.uk/sid](http://www.beds.ac.uk/sid)

#### **Additional Course costs**

N/A

**Course Equality Impact Assessment**

<b>Question</b>	<b>Y/N</b>	<b>Anticipatory adjustments/actions</b>
The promotion of the course is open and inclusive in terms of language, images and location?	Y	
Are there any aspects of the curriculum that might present difficulties for disabled students? For example, skills and practical tests, use of equipment, use of e-learning, placements, field trips etc.	N	
Are there any elements of the content of the course that might have an adverse impact on any of the other groups with protected characteristics <sup>1</sup> ?	N	
If the admission process involves interviews, performances or portfolios indicate how you demonstrate fairness and avoid practices that could lead to unlawful discrimination?	N	
Confirm that you have considered that the course learning outcomes and Graduate Impact Statements are framed in a non-discriminatory way.	Y	
Confirm that the course handbook makes appropriate reference to the support of disabled students.	Y	

**Administrative Information – Faculty completion**

<b>Faculty</b>	<b>CATS</b>
<b>Portfolio</b>	<b>Foundation Degrees and Construction</b>
<b>Department/School</b>	<b>School of Computer Science and Technology</b>
<b>Course Coordinator</b>	<b>David Jazani</b>
<b>Trimester pattern of operation</b>	Oct (Trimester 1)
<b>PSRB renewal date (where recognised)</b>	
<b>Version number</b>	2/2017

<sup>1</sup> Age, Gender reassignment, Marriage and civil partnership, Pregnancy and maternity, Race, Religion and belief, Sex, Sexual orientation

Approved by (c.f. Quality Handbook ch.2)	Periodic Review
Date of approval (dd/mm/yyyy)	15 May 2017
Implementation start-date of this version (plus any identified end-date)	2017
Study model type (e.g. study centre)	

Form completed by:

Name: David Jazani / J Bishop

Date: August 2017

Authorisation on behalf of the Faculty Teaching Quality and Standards Committee (FTQSC)

Chair: .....

Date:

Course Updates		
Date (dd/mm/yyyy)	Nature of Update	FTQSC Minute Ref:

Administrative Information – Academic Registry completion	
Route code (post approval)	
JACS / HECoS code (KIS)	
SLC code (post approval)	
Qualification aim (based on HESA coding framework)	



## Annexes to the Course Information Form

*These annexes will be used as part of the approval and review process and **peer academics** are the target audience.*

### General course information

<b>Course Title</b>	<i>Construction Management</i>
<b>Qualification</b>	<i>BSc (Honours) Top-up - Level 6 only</i>
<b>Route Code (SITS)</b>	<i>BSCMT-S</i>
<b>Faculty</b>	<i>CATS</i>
<b>Department/School/Division</b>	<i>School of Computer Science and Technology</i>
<b>Version Number</b>	<i>2/2017</i>

### Annex A: Course mapping of unit learning outcomes to course learning outcomes

Unit code	CLD001-3	CLD002-3	CLD003-3	CLD005-3	CLD006-3												
Level	6	6	6	6	6												
Credits	45	30	15	15	15												
Core or option	core	core	core	core	core												
Course Learning Outcome (number)	<i>Insert LO1 and/or LO2 for each unit into cell corresponding to the course learning outcome</i>																
LO1: Detailed understanding of construction management responsibilities for a wide range of project types and applications, which represent developments at the cutting-edge of the construction industry.	LO1 LO2	LO1	LO1 LO2	LO1 LO2	LO1 LO2												
LO2: Ability to accurately analyse project risk, legislative impact, and financial management requirements, throughout the project lifecycle.	LO1 LO2		LO1 LO2	LO1 LO2	LO1												
LO3: Recommended valid arguments for the development of solutions, which	LO1 LO2	LO1 LO2	LO1 LO2	LO1 LO2	LO1 LO2												

are supported by the best-suited management approaches, for complex construction project scenarios.																	
LO4: Ability to autonomously manage and implement cutting-edge construction solutions by utilising a wide range of scholarly resources and developments, and to recognise the limitations of the information available.	LO1 LO2	LO1 LO2	LO1 LO2	LO1 LO2	LO1 LO2												
LO5: Ability to communicate technical project solutions to both construction specialist and non-specialist audiences to a high level of professionalism	LO1 LO2	LO1 LO2	LO1 LO2	LO1 LO2	LO1 LO2												

## Annex B: Named exit or target intermediate qualifications

*This annex should be used when Schools wish to offer intermediate qualifications which sit under the main course qualification as named exit or target awards, rather than unnamed exit/default awards.*

### Section 1: General course information

<b>Intermediate Qualification(s) and titles</b>	<p><i>Specify the intermediate qualifications which are named exit or target qualifications (award types) AND what the qualification titles will be, as stated in the course information section of the associated CIF</i></p> <p><i>It is not necessary for the intermediate qualifications to have the same titles as the overall award, but the title must reflect the units taken to achieve it.</i></p>
<b>Mode(s) of Study and Duration</b>	<p><i>Indicate whether each intermediate qualification will be offered full time, part time or both, and the standard amount of time a student will take to complete each target qualification.</i></p>
<b>Type of Intermediate Qualification(s)</b>	<p><i>State whether the intermediate qualifications are named exit and/or target awards.</i></p> <p><i>Students register for target awards at the commencement of their study. Named exit awards provide an opportunity to gain a named qualification when a student fails to complete the main qualification for which they were registered or because they do not achieve the requirements of their original main qualification.</i></p>
<b>Route Code(s) (SITS) of Intermediate Qualification(s)</b>	

### Section 2: Qualification unit diet

*One table to be used for each intermediate qualification*

<b>Confirmation of unit diet for:</b>	<i>Insert intermediate qualification and title</i>	
The units to achieve the credits required may be taken from any on the overall diet for the main course qualification		<input type="checkbox"/>
A combination of units from a restricted list must be taken to achieve the credits required (specify the list below)		<input type="checkbox"/>
A specific set of units must be taken to achieve the credits required (specify units below)		<input type="checkbox"/>
List of units (if applicable):-		

### Section 3: Course structure and learning outcomes

*One table to be used for each intermediate qualification*

Intermediate qualification and title														
The Units which make up this course are:					Contributing towards the learning outcomes <i>Insert LO1 and/or LO2 for each unit into cell corresponding to the course learning outcome</i>									
Unit Code	Level	Credits	Unit Name	Core or option	1	2	3	4	5	6	7	8	9	10

## Annex C: Course mapping to FHEQ level descriptor, subject benchmark(s) and professional body or other external reference points

One set of mapping tables to be produced for the course and each named intermediate qualification

<b>Course (or intermediate) qualification and title</b>	BSc (Honours) Construction Management Top-up
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FHEQ Descriptor for a higher education qualification	FHEQ level 6 (2014)	Course Learning Outcome(s)								
		1	2	3	4	5				
A systematic understanding of key aspects of their field of study, including acquisition of coherent and detailed knowledge, at least some of which is at, or informed by, the forefront of defined aspects of a discipline		x	x	x	x					
An ability to deploy accurately established techniques of analysis and enquiry within a discipline			x	x						
Conceptual understanding that enables the student: <ul style="list-style-type: none"> <li>To devise and sustain arguments, and/or to solve problems, using ideas and techniques, some of which are at the forefront of a discipline.</li> <li>To describe and comment upon particular aspects of current research, or equivalent advanced scholarship, in the discipline</li> </ul>		x	x	x						
An appreciation of the uncertainty, ambiguity and limits of knowledge.					x					
The ability to manage their own learning and to make use of scholarly reviews and primary sources (for example, refereed research articles and/or original materials appropriate to the discipline).				x	x					
Apply the methods and techniques that they have learned to review, consolidate, extend and apply their knowledge and understanding, and to initiate and carry out projects.		x	x	x	x					
Critically evaluate arguments, assumptions, abstract concepts and data (that may be incomplete), to make judgements, and to frame appropriate questions to achieve a solution - or identify a range of solutions - to a problem.				x	x					
Communicate information, ideas, problems and solutions to both specialist and non-specialist audiences						x				
The qualities and transferable skills necessary for employment requiring: <ul style="list-style-type: none"> <li>The exercise of initiative and personal responsibility.</li> <li>Decision-making in complex and unpredictable contexts.</li> </ul>			x	x		x				

<ul style="list-style-type: none"> <li>The learning ability needed to undertake appropriate further training of a professional or equivalent nature</li> </ul>									
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<b>Subject Benchmark Statement(s)</b>	<i>(insert title(s) and year)</i>	<b>Evidence and/or Course Learning Outcome(s)</b> <i>How the course takes account of relevant subject benchmark statements</i>
Sustainability; including Global Issues, Legislation and Policy, New Build Design and Retrofit, Waste, Construction Site specific Issues and Clients.		CLD001-3, CLD002-3
The Construction Environment; The Construction Industry, Social and Economic impact, Legal Environment, Economic Principles and Financial Management, Design and Construction Process.		CLD001-3, CLD006-3, CLD005-3
Construction Management; Process Management, Human Resource Management, Planning and Scheduling of Projects, Performance Management.		CLD001-3, CLD003-3, CLD006-3
Construction Technology; Building Performance and Technology, Site Investigation, Materials, Performance Management, Problems and Defects.		CLD001-3, CLD002-3
Health, Safety and Welfare; Legislation and Practice, Personal Responsibility, Management, Enhancement.		CLD001-3, CLD003-3, CLD006-3
Ethics and Professionalism; CIOB Code of Conduct, Self-development and Reflection, Construction Team, Culture and Behaviour, Equality, Diversity, Age, Gender, Sexual Orientation, Belief, Ethnicity, Governance and Corporate Social Responsibility, Procurement and Tendering Practice, Definitions of Construction Management.		CLD001-3, CLD002-3, CLD006-3, CLD005-3
Dissertation/Project; Research a contemporary construction management issue. Demonstrate an ability to select and apply appropriate ethical research methodologies. Analyse, synthesise and evaluate key issues affecting construction management.		CLD001-3, CLD002-3

*The format of the following mapping tables may be adjusted.*

<b>Qualification Characteristic</b>	<i>(insert title and year where appropriate)</i>	<b>Evidence</b> <i>How the course takes account of relevant qualification characteristics documents</i>

<b>Professional body or other external reference points</b>	<i>(insert title and year)</i>	<b>Evidence</b> <i>How the course takes account of</i>

		<i>Professional body or other external reference points</i>