University of Bedfordshire

Unit Information Form (UIF) **UIF2014**

Section 1 – General Unit Information

Changes made to section 1 of the UIF require Faculty level approval.

Unit Name	Construction Project Management
Unit Code	CLD006-3
Level	6
Credit Value	15
Location of Delivery	On campus
Period of delivery	One semester (15 weeks)
Pre-requisites or Restrictions	none
Aims and Relevance	Appropriate project management process is critical for the success of building projects in the construction industry. Effective project management utilises knowledge and expertise of trained practitioners to achieve the required commercial and contractual outcomes to the construction process. With the increasing imposition of heavy penalties that form part of contracts of construction it is important that projects are correctly managed. These penalties exist for exceeding time and budget constraints. This unit will enable the students to further develop their knowledge and understanding of and equip them with valuable experience in project management by applying critical analysis and evaluation of the technologies and principles within the context of the construction industry.

Syllabus Content	• Introduction to project management concepts
	• Key requirements of project management
	• Ethical and social issues
	• Duties and responsibilities of project management
	  ○ Client's brief and identification of main objectives
	  ○ Design process management
	• Project management in practice
	  ○ Labour management
	  ○ Plant management
	  ○ Materials management
	• Performance indicators of good practice
	• Time management and cost control
	• Communication

PSRB outcomes
none

Core learning outcomes		
	On completion of this unit you should be able to:	**Assessment number**
1	Demonstrate critical awareness of social and ethical issues relating to the construction industry, stages, structure and operation of construction project management processes, key essential elements that contribute to the timely progress of the construction projects, emphasis of the effective communication and team building.	1
		2
2	Contextualise a case study's social and ethical issues, recommend appropriate solutions incorporating contribution of team/group discussions. Discuss solutions within practical session and deliver a written report within the time constraints of an in-class-test/activity.	1
		2

Threshold standards	
Assessment number	In order to pass the assessment you will need to:
1	Discuss ethical & social issues of individual case study, seeking group/team contribution to the recommended solutions.
	Present a written report recommending your solutions.
2	Develop a specific case related framework of key elements of Construction Project Management.
	Develop a team structure necessary for the specific case study, justify the key tasks/personnel.
	Justify the recommendations arrived at, present your ideas to the audience for feedback.Assess own performance against the criteria by producing a critique of presentation.

Assessment methods

Assessment 1

Discuss Ethical & Social issues faced by construction industry activities and link the issues to lawful and socially acceptable solutions, this is to be done through a report not exceeding 1500 words (individual work).

The outline is to be based on a Case Study (previous proposal for Emerging Technologies may be considered) or a new proposal of sufficient complexity (this to be agreed with the tutor as an outline proposal).

You will be presenting this presentation backed with gathered data and your analysis of it, containing all the issues identified.

It is suggested that the group is broken-up into smaller groups of 4-5 students per group, each taking a role of a different specialist of the PM team and to discuss potential implications. Group discussions and results to be noted and submitted (this element not exceeding 1000 words) under a section of Project Management Group Discussion. (Tutor to facilitate the group discussions and supply formative feedback)

Each student would be producing an individual report based on their own research, including the group discussion.

Assessment 2

This assessment will require students to contextualise a construction project (Case Study). Project Management methodology as applied to the Case Study, development stages from inception to completion, team/s selection, leading to a presentation (time limit to be determined by the tutor).

Nowadays a Project Manager is tasked with creating a complete project, he/she cannot do this alone due to the ever-increasing complexity of the projects. This process requires ever more expanded team and specialist documents for this requiring input from various experts, therefore team structure is to be carefully considered.

Students are also required to consider the impact of legislation regarding energy efficiency and sustainable construction. (Recommended 3000 words).

Presentations will be peer observed and commented on, report to be submitted, no later than the following week and to include the critique (students will be able to see their presentation recording) and slides (jpg screen grabs of the presentation).

Assessment Summary

No	Assessment Method Code	Weight%	Submission week	Submission method	Length of exam	Outcomes being developed and assessed		
1	WR-I	50	9	e	-	Analysis	Evaluation	Recommendation
2	WR-I	50	14	e	-	Design	Evaluation	Presentation

Learner Development This Unit focuses on the development of your abilities in the followingareas:	
Enquiry	*You will tackle problems/situations relating to construction project management*
Contextual understanding	*You will examine and analyse case studies and set these against an accepted process*
Collaboration	*You will work in class with other students to arrive at solutions to emerging problems*
Enterprise	*You will present your solutions in a professional manner to the peer group for feedback*

Code	Activity	Hours													Revision period	Final Assessment	Total
	Week(s)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**14-15**	
Scheduled Activity																	
SL	Lecture	2	2	2	2	2	2	2	2	2	2	2	2	2	2		28
SP	Practical		0	2	2	2							2		2		10
Guided Activity																	
GR	Research and Reading	0	1	1	1	1	1	1	1	1	1	1	1		2		13
GG	Group work	0	0	2	2	2	1	1	1	1	1	1	2				14
Independent Activity																	
IR	Reading		1	2	2	2	2	2	2	2	2	2	2	2	6		29
IA	Preparation		0	2	2	2	2	2	4	2	2	2	2	4	5		31
Autonomous Activity																	
AR	Reading	1	1	1	1	2	2	2	2	2	2	2	2	2	3		25
																	0
Totals>	Hours per week	3	5	12	12	13	10	10	12	10	10	10	13	8	15	0	150

Summary KIS data

	Scheduled	Guided	Independent	Autonomous	Total	Other
Total Hours	38	27	60	25	150	
Percentage	25.3	18.0	40.0	16.7	100.0	

Section 2 - Resources and Support

Once initial approval of the unit has been given, the Unit Co-ordinator may make changes to this section, following appropriate consultation

Recommended Resources

Core text–This unit is supported by the following core text:

- Harris III F. (20011) Modern Construction Management, 7th Edition, Wiley-Blackwell, ISBN-13: 978-0470672174
- Cook B. (2009) Construction Planning, Programming and Control, 3rd edition, Wiley-Blackwell, ISBN-13: 978-1405183802

Background

- CIOB(2009), *Code of Practice for Project Management for Construction and Development,* 4th edition, Wiley-Blackwell, ISBN-13: 978-1405194204
- Cartlidge D. (2009) Quantity Surveyor's Pocket Book, Butterworth-Heinemann Title, ISBN-13: 978-0750687461

SECTION 3– Administrative Information

Faculty	Creative Arts, Technologies and Science (CATS)
Portfolio	UG Computer Science and Technology (Foundation Degrees and Construction)
Department	Computer Science & Technology
Unit Co-ordinator	David Jazani
Version Number	1/2015
Body approving this version	University transition/validation panel.
Date of University approval of this version	March 2015

Shared Units – Indicate below all courses which include this Unit in their diet

Form completed by:

Name: D Jazani **Date: 010115**

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

Chair: ……Date: …..…….

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