

SAMPLE ASSIGNMENT BRIEF

UNIT 5 - CREATE THE BUILT ENVIRONMENT: MANAGING PROCESSES



Construction and the Built Environment Advanced (Level 3) Unit 5

Create the built environment: managing processes (CBE3U5)

Sample Assignment Brief (Approximately eighteen hours under controlled conditions)

Evidence requirements

You must produce evidence of achievement of the assessment criteria. In the assignment the learner will produce a report and a presentation to:

1. identify and describe the various stages of a chosen construction project and the technological skills associated with each stage
2. classify the key methods, techniques, operations and processes used in the chosen project as either traditional or modern methods of construction and compare the two in terms of their advantages and disadvantages
3. assess project management roles and responsibilities used to manage the chosen project and demonstrate project management skills by interpreting, producing and/or modifying risk assessments, method statements, delivery schedules, Gantt charts, critical path analyses and costings relevant to the chosen construction project.
4. prepare and deliver a 10 minute presentation on a career development plan that shows progression into professional management within project management.

In order to attain a high mark in this unit, you must address all of the above. A table showing how the Assessment Criteria topics are weighted should be shown to learners in order that they understand how the final mark is determined.

You are required to provide a report on four assessed tasks to achieve the assessment criteria which are set out in the marking grid for the unit. It is acceptable to use the opinions and judgements of construction professionals to support your work.

Scenario

The suggested context for this assignment is a construction project involving a building or other structures under construction possibly within the school or college grounds.

Include drawings, photographs and other images along with your written work; this will provide evidence of your ability, knowledge and understanding of this task and others.

Task 1

Identify and describe the various stages of a chosen construction project and the technological skills associated with each stage.

You can do this by the following:

Identify and describe the technological skills used to bring a construction project to a successful conclusion in terms of the following stages of the process:

- groundworks
- substructure
- superstructure
- external works and landscaping.

Analyse the development of a construction project in terms of the above stages.

Task 2

Classify the key methods, techniques, operations and processes used in the chosen project as either traditional or modern methods of construction and compare the two in terms of their advantages and disadvantages.

You can do this by the following:

- (a) Describe the key methods, techniques, operations and processes used within the chosen project and judge them as either traditional or modern methods of construction.
- (b) Give examples of both (Compare) traditional and modern methods of construction and provide analysis of them in terms of their advantages and disadvantages.

Task 3

Assess project management skills and roles and responsibilities used to manage the chosen project (in terms of the roles and responsibilities of those involved) and demonstrate project management skills by interpreting, producing and/or modifying risk assessments, method statements, delivery schedules, Gantt charts, critical path analyses and costings relevant to the chosen construction project.

You can do this by the following:

Discuss which project management skills and roles are being used in terms of personal and practical skills required.

Describe in more detail the roles and responsibilities of the project management team.

Describe the typical procedures associated with project management.

Produce risk assessments, method statements, delivery schedules, Gantt charts and critical path analysis which demonstrates the type of work being carried out.

Task 4

Prepare and deliver a 10 minute presentation on a career development plan to support progression into professional management within project management.

You can do this by the following:

Produce an interactive presentation that identifies a career development plan for an employment pathway within project management.

Suggested learning resources:

Books

Building Construction Handbook Chudley, R & Greeno, R. Published by: Butterworth-Heinemann, 2006 ISBN: 0-750-66822-9

Introduction to Health and Safety in Construction: Hughes, P & Ferrett, E, The handbook for construction professionals and students on NEBOSH and other construction courses Published by: Butterworth-Heinemann, 2006, ISBN: 0-750-68111-X

Websites

- Beddington Zero Energy Development www.peabody.org.uk/bedzed
- ConstructionSkills www.cskills.org
- Department for Business, Enterprise and Regulatory Reform – Sustainable Construction Brief 2004 www.dti.gov.uk/files/file13939.pdf
- Eden Frame www.edenframe.com
- European Commission Directorate-General for Energy and Transport www.managenergy.net
- Forest Stewardship Council www.fsc-uk.org
- Green Building Magazine www.greenbuildingmagazine.co.uk
- Green Building Press www.greenbuildingpress.co.uk
- Health and Safety Executive Books www.hsebooks.co.uk
- National House-Building Council www.nhbc.co.uk
- Wood for Good www.woodforgood.com
- ZEDfactory Ltd www.zedfactory