

Liverpool John Moores University

Title: CIVIL ENGINEERING GROUP PROJECT
Status: Definitive
Code: **4214BEHN** (119864)
Version Start Date: 01-08-2016

Owning School/Faculty: Civil Engineering
Teaching School/Faculty: Civil Engineering

Team	Leader
Clare Harris	Y

Academic Level: FHEQ4
Credit Value: 20
Total Delivered Hours: 48
Total Learning Hours: 200
Private Study: 152

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Tutorial	12
Workshop	12

Grading Basis: BTEC

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Presentation	20	
Portfolio	AS2	Portfolio	20	
Report	AS3	Report	50	
Self Awareness Statement	AS4	Evidence based	10	

Aims

To provide learners with an opportunity to develop the skills needed to devise and implement a realistic project scope and scheme of work and to evaluate and present a civil engineering project as a group.

To encourage learners to become confident and effective in managing own personal and professional skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Devise a project scope and scheme of work.
- 2 Evaluate the group project and appraise its feasibility including environmental impact analysis, making recommendations for improvement.
- 3 Present the project outcome including records of project development and group activity.
- 4 Identify and reflect on their own personal and professional development during the project including the development of interpersonal and transferable skills.
- 5 Identify and reflect upon the following aspects of personal development: strengths and weaknesses, motivations and values, ability to work with others.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Presentation	3
Portfolio	4
Report	1 2
Evidence based	5

Outline Syllabus

Group roles and activities: team roles and responsibilities; record keeping processes. Specification: client brief, constraints (environmental, operational, cost, time, etc.), legislation, quality control, health and safety.

Developmental stage: brainstorming, appraisal and review, feasibility analysis, field data, costing, calculations, risk and impact assessments, method statements, drawings.

Evaluation: initial proposal, final proposals, key decisions, group dynamics.

Self managed learning and learning styles: clear goal setting, dates for achievement, self-reflection, and personal preferences.

Effective learning: skills of personal assessment, planning, organisation and evaluation, feedback, learning achievements and disappointments.

Self-appraisal and portfolio building: skills audit, leadership skills, developing and maintaining a personal portfolio.

Interpersonal and transferable skills: initiative, reliability, problem solving, team player, time management, effective listening.

Learning Activities

Lectures, tutorials, workshops, presentations.

Notes

This module will develop learners' skills in terms of the evaluation and resolution of realistic practical problems and the ability to work as part of a team. It enables the application of knowledge, understanding and skills developed in other units, and where possible experiences from employment, to a major piece of work. The module is designed to bring together small groups of learners into teams so that they can coordinate their individual skills and abilities.