

## Liverpool John Moores University

Title: INDIVIDUAL STUDENT PROJECT  
Status: Definitive  
Code: **4024BEHN** (102296)  
Version Start Date: 01-08-2016

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

Team	Leader
Felicite Ruddock	Y

**Academic Level:** FHEQ4      **Credit Value:** 12      **Total Delivered Hours:** 48  
**Total Learning Hours:** 120      **Private Study:** 72

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Seminar	24

**Grading Basis:** BTEC

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Artefacts	AS1	drawing	100	
Report	AS2	project presentation and report	45	
Portfolio	AS3	mapping of key skills exercise	15	

### Aims

*To develop the student's ability to record activities, to collect, analyse and apply data, find and use sources of information and to develop solutions.*

*To encourage the student to reflect on their level of competency regarding employability skills, and identify opportunities for developing these skills.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Design, construct and test model solutions to basic construction situations.
- 2 Carry out practical activities and investigative work.
- 3 Produce drawings using CAD.
- 4 Verbally present solutions and defend decisions made in the design process, making appropriate use of Powerpoint or equivalent IT package.
- 5 Map their employability skill competence to date and identify opportunities for further development.
- 6 Produce written reports making use of spreadsheets and other appropriate IT packages.

## Learning Outcomes of Assessments

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

CW	3				
CW	1	2	3	4	6
CW	5				

## Outline Syllabus

*Information research for planning and design.*

*Working drawing production (manual and CAD).*

*Report writing.*

*Team working.*

*Risk assessment.*

*Conceptual Design.*

*Production of models.*

*Analyzing and presenting data using spreadsheets and other appropriate computer packages.*

*Learning through reflection and experience.*

## Learning Activities

Researching information for planning and design.

Production of models and working drawings.

Testing of models.

Presentation of information and results using appropriate IT packages.

## Notes

Individual projects are based upon a proposed construction project, for which outline

drawings are available.

A site assessment is made, based upon both engineering and environmental factors, and models made of proposed structural solutions.

After testing of models, results are presented using manual and computer-aided drawing techniques and spreadsheets.

Students will be using e-portfolio to reflect on the acquisition of employability skills to date and identify opportunities for improving these skills.