

Liverpool John Moores University

Title: SURVEYING IN CONSTRUCTION
Status: Definitive
Code: **5542NCCG** (129480)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Accrington Campus

Team	Leader
Fiona Borthwick	Y

Academic Level: FHEQ5
Credit Value: 20
Total Delivered Hours: 48
Total Learning Hours: 200
Private Study: 152

Delivery Options

Course typically offered: S1, S2 and NS2 (S2 for Jan)

Component	Contact Hours
Lecture	48

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Practice	Practical	Group Practical Assessment	50	
Report	Report	Report	50	

Competency	NCC Group Pass/Fail

Aims

This module considers methods to set up controls and conduct topographic surveys. On successful completion students will be able to set up and assess the accuracy of control points. Students will also be able to identify setting out and surveying errors.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the process of undertaking a topographic survey
- 2 Write a report detailing the causes of errors and techniques to improve accuracy
- 3 Undertake a setting out exercise for a small building, including levelling

Learning Outcomes of Assessments

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

Group Practical	3	
Assessment		
Report	1	2

NCC Group Pass/Fail

Outline Syllabus

Purpose of a topographic survey
Initial control
Communication of a completed survey
Cut and fill information from a survey
Topographic survey methods
Coding systems for surveys
Data transfer techniques
Errors in surveying and setting out
Improvement of accuracy

Learning Activities

Lectures

These will not normally be traditional didactic lectures in which the student plays little active part, but will be delivered in small groups of up to 20 students in which their interaction with their tutor is a key ingredient of their learning experience.

The material of this module requires the development of significant practical skill. This will be taught within the lecture time, making these sessions a blend of lecture and workshop time. The sessions will be timetabled in spaces with physical resources appropriate to the delivered content.

Students will receive approximately 30 hours of taught material, supported by in-class exercises and discussions designed to help student assimilate learning and to provide early informal feedback on their progress.

Practical Work

This module contains directed practical work that students will undertake under the

supervision of teaching staff and/or technicians. Some elements of this practical work will form part of the assessment for this module.

Independent Study

Students are expected to undertake personal reading and research into topic areas that have been stimulated from the lectures and seminars. This reading will enhance their academic work and enable valid contribution to lectures and seminars.

VLE support

This will provide links to academic web-sites and on-line journals, facilitate group discussion outside of the classroom, access to outline lecture notes, and provide students with assessment details.

Notes

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