

Module Details	
Module Title:	Advanced Final Year Project
Module Code:	CSE7011-D
Academic Year:	2019-20
Credit Rating:	40
School:	Department of Civil and Structural Engineering
Subject Area:	Civil and Structural Engineering
FHEQ Level:	FHEQ Level 7 (Masters)
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Project supervision	24
Tutorials	24
Directed Study	352

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims
To enable the students to further develop their research and problem solving skills to a high level by advanced work on a research project of their own choice; to allow the students to further consolidate and enhance skills in oral and writing communication to an advanced level.

Outline Syllabus
The project is a continuation of the Stage 3 project or another project at an advanced level. It might comprise the implementation of the plan of further work identified as a consequence of the individual Project at stage 3. In this way, the current work is student centered rather than staff centered. Students develop and appropriately apply knowledge of design, sustainability and health and safety in the chosen field of project investigation. Students will have to liaise with

Technical Support Staff to ensure that all facilities are available for an immediate start on the research work. The work requires students to show a very high degree of initiative and independence.

Learning Outcomes

1	Make a contribution to knowledge of a specific field of civil engineering (the exact nature of which depends on the project).
2	Employ current scientific understanding of a subject to solve a substantial research and/or design problem. Write a lengthy piece of research-based analysis and discussion, structured around a coherent intellectual thesis, and presented in line with scholarly expectations about standards of accuracy, style, and documentation.
3	Enhance your skills in interpretation and presentation of data, solve problems systematically and creatively. Demonstrate skills in communication, life-long learning and personal management
4	Consider any health and safety, ethical or sustainability issues which relate to the particular field of research

Learning, Teaching and Assessment Strategy

Students will be expected to take ownership of their project, employing independent and directed study hours to achieve their project goals. Academic support will be in the form of one to one tutorials with a designated member of academic staff.

Research/experiment/theory and/or analysis/simulation with verification and/or validation explored in the formal tutorial sessions with the project supervisor.

Learning methods will depend on the nature of the project being undertaken. Students may engage with advanced Computer Aided Engineering applications, research focused laboratory equipment. Learning support is provided by either their academic supervisor, research or technical staff.

Students will prepare a written dissertation outlining their project and associated findings. The structure of the report will depend on the research project undertaken and will be defined in conjunction with academic tutors. Any supporting evidence including computer models, test data, etc. will be submitted as an asset folder with associated table of contents.

Students will also present their work in the form of an oral presentation.

The formal assessment will examine the wider learning outcomes expressed in the descriptor.

Supplementary assessment is to repair deficiency in original submission.

Oral feedback will be given throughout the project during timetabled tutorial sessions with the project supervisor.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Presentation	Oral presentation with the attendance of the whole Civil Eng team and peers at the end of Sem 2	20 minutes	20%
Formative	Dissertation or	Progress report (sem 1)	-2000 words	%

	Project Report	for formative feedback		
Referral	Dissertation or Project Report	Dissertation (written report) excluding appendices and references	-8000 words	100%
Summative	Dissertation or Project Report	Dissertation (written report) excluding appendices and references with supporting evidence submitted as a project asset folder	-8000 words	80%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.