

APPROVED**PLAC8019: AEC Industry Placement****Module Details**

Module Code:	PLAC8019
Title:	AEC Industry Placement APPROVED
Long Title:	AEC Industry Placement
NFQ Level:	Advanced
Valid From:	Semester 1 - 2022/23 (September 2022)
Duration:	1 Semester
Credits:	15
Field of Study:	0111 - Placement
Module Delivered in:	1 programme(s)
Module Description:	The learner will undertake a relevant work placement of no less than 10 weeks. The aim of the industrial placement is to introduce the learner to structured employment in the Architecture, Engineering & Construction (AEC) sector. The industrial placement program will familiarise the student with work practices and procedures and provide the learner with the opportunity to observe the practical application of theoretical knowledge gained on the program. The placement is supported by a member of academic staff in MTU together with a workplace mentor.

Learning Outcomes

On successful completion of this module the learner will be able to:

#	Learning Outcome Description
LO1	Critically analyse the enterprise, its culture and its organisation
LO2	Communicate in a professional manner within the workplace
LO3	Demonstrate initiative and leadership skills whilst working alone and in teams
LO4	Apply knowledge, skills and competencies acquired during the programme of study to the analysis and solution of workplace problems
LO5	Reflect on and analyse the learning experience resulting from the work placement

Dependencies**Module Recommendations****Incompatible Modules**

No incompatible modules listed

Co-requisite Modules

No Co-requisite modules listed

Requirements

No requirements listed

Indicative Content**The Enterprise**

Evaluate the business processes, quality assurance systems, health and safety practices and digital infrastructure. Describe the professional contract(s) used by the enterprise and consider same in the context of the full range of standard industry contracts.

Communication

Management and communication processes within the enterprise, meetings, presentations, project planning

Personal Development & Initiative

Undertaking individual responsibility for aspects of workplace activity

Problem Solving

Analysis of workplace-related problems and suggestions for appropriate solutions

Teamwork & Collaboration

Evaluate team management and leadership styles as applied within the professional AEC work environment.

Application of Learning to the Workplace

Application of knowledge received at MTU to the the management of resources and business processes

Module Content & Assessment

Assessment Breakdown	%
Coursework	100.00%

Assessments

Coursework			
Assessment Type	Critique	% of Total Mark	10
Timing	Week 4	Learning Outcomes	1,2,4
Assessment Description Interview by MTU staff of student and workplace mentor or other appropriate provisions			
Assessment Type	Critique	% of Total Mark	25
Timing	Week 13	Learning Outcomes	1,2,4,5
Assessment Description Interview and/or presentation on work placement and contents of written report.			
Assessment Type	Written Report	% of Total Mark	55
Timing	Sem End	Learning Outcomes	1,2,3,4,5
Assessment Description Written Report on work placement – to include description and critique of work undertaken during the work placement and critical reflection on the learning achieved during the placement.			
Assessment Type	Performance Evaluation	% of Total Mark	10
Timing	Sem End	Learning Outcomes	1,2,3,4
Assessment Description			

Assessment based on feedback from workplace mentor
No End of Module Formal Examination
Reassessment Requirement
Repeat the module <i>The assessment of this module is inextricably linked to the delivery. The student must reattend the module in its entirety in order to be reassessed.</i>

Module Workload

Workload: Full Time					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Independent & Directed Learning (Non-contact)	Non Contact	Professional Work Placement	Every Week	20.10	20.1000003814697
Lecturer-Supervised Learning (Contact)	Contact	Supervision and assessment	Every Week	0.50	0.5
Lecture	Contact	Work placement preparatory workshops	Twice per semester	0.40	3
Total Hours					23.60
Total Weekly Learner Workload					21.00
Total Weekly Contact Hours					0.90

Workload: Part Time					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Independent & Directed Learning (Non-contact)	Non Contact	Professional Work Placement	Every Week	20.10	20.1000003814697
Lecturer-Supervised Learning (Contact)	Contact	Supervision and assessment	Every Week	0.50	0.5
Lecture	Contact	Work placement preparatory workshops	Twice per semester	0.40	3
Total Hours					23.60
Total Weekly Learner Workload					21.00
Total Weekly Contact Hours					0.90

Module Resources

Recommended Book Resources
<p>Sweitzer & King. (2019), The Successful Internship, 5th. Cengage, [ISBN: 9781285077192].</p> <p>Cengage Learning. (2016), A Practical Guide to Workplace Communications for Engineers, [ISBN: 9781305635104].</p>
Supplementary Book Resources
<p>John Bowden. (2004), Writing a report: How to prepare, write and present effective reports, How to Books Ltd, [ISBN: 185703922X].</p> <p>McGraw Hill Professional. Writing at Work: Professional writing skills for people on the job, 1997. McGraw Hill Professional, [ISBN: 0844259837].</p> <p>Donald A. Schon. (1991), The Reflective Practitioner: How Professionals Think in Action, [ISBN: 1857423194].</p>
<i>This module does not have any article/paper resources</i>
Other Resources
<p>Website, NUIGTop tips for reflective practice and reflective writing, https://www.nuigalway.ie/academic-skills/criticalthinking/downloads/Top-tips-for-reflective-practice-and-writing.pdf</p> <p>Department Guidance Booklet, Department Work based Learning Guidance Document, Civil Structural and Environmental Engineering Department.</p>

Module Delivered in

Programme Code	Programme	Semester	Delivery
CR_CBIMM_8	Bachelor of Science (Honours) in Building Information Modelling and Management	-1	Group Elective 1