

Module Title:	Civil Engineering Drawing II
Language of Instruction:	English
Credits:	5
NFQ Level:	7
Module Delivered In	No Programmes
Teaching & Learning Strategies:	Drawing practicals Private study
Module Aim:	The aim of this module is to continue the development of a practical knowledge of creating, editing and printing general arrangement and detailed drawings for Civil Engineering works.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	to produce general arrangement and detailed reinforcement drawings and schedules for reinforced concrete elements.
LO2	to produce highway general arrangement and drainage drawings.
LO3	to import survey points and figures into Civil 3D
LO4	to create a digital models of a road project in Civil 3D
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content

Reinforced Concrete

a) General Arrangement Drawings b) Reinforcement Detailing Drawings c) Bar Bending schedules

Highway and Drainage

a) Road and drainage layout drawings b) Surface water and foul sewer pipe layouts c) Longitudinal sections c) Cross sections d) Standard details e) Manholes f) Attenuation

Introduction to Civil 3D

a) Toolspace b) Civil 3D templates c) Descriptions keys d) Survey database e) Figures prefix database f) Importing points g) Linework h) Surfaces i) Alignments j) Profiles k) Assemblies and Corridors l) Plotting

Assessment Breakdown

%

Practical

100.00%

No Continuous Assessment

No Project

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Practical drawing exercises	1,2,3,4	100.00	n/a

No End of Module Formal Examination

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Practicals	30 Weeks per Stage	3.00
Estimated Learner Hours	30 Weeks per Stage	3.00
Total Hours		180.00

