

**APPROVED****CIVL6031: Health and Safety - Built Env****Module Details**

<b>Module Code:</b>	CIVL6031
<b>Title:</b>	Health and Safety - Built Env <b>APPROVED</b>
<b>Long Title:</b>	Health and Safety - Built Env
<b>NFQ Level:</b>	Fundamental
<b>Valid From:</b>	Semester 1 - 2019/20 ( September 2019 )
<b>Duration:</b>	1 Semester
<b>Credits:</b>	5
<b>Field of Study:</b>	5213 - Interdisciplinary Engineering
<b>Module Delivered in:</b>	<a href="#">10 programme(s)</a>
<b>Module Description:</b>	Students will learn their professional obligations under the Safety,Health and Welfare at Work Act, and how to apply them to the workplace

**Learning Outcomes**

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

#	Learning Outcome Description
LO1	Assess current health and safety legislation
LO2	Identify their professional obligations in relation to health and safety
LO3	Use risk management techniques for health and safety
LO4	Develop competency of hazard identification in the workplace
LO5	Identify and address health and safety issues commonly arising in discipline specific construction technologies

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

No incompatible modules listed

**Co-requisite Modules**

No Co-requisite modules listed

**Requirements**

No requirements listed

**Indicative Content****Health and Safety Legislation**

Health and Safety at Work Act (2005). Construction Regulations (2013). Legal structure and system. Understanding professional obligations to health and safety

**Hazard Identification and Controls**

Identification and controls for biological, chemical, occupational hazards

**Risk Management**

Use of risk management to identify hazards in the workplace, assess the risks and propose controls. Assessment of success of controls measures. Monitoring and reporting of controls

**CIT Safety Methodologies and Systems**

CIT health and safety documentation. Departmental-specific method statement and risk assessment processes and safety SOPs

**Discipline Specific Technologies and Health and Safety Applications**

Discipline specific technologies (eg. mechanical plant, temporary works and excavations, demolition, building assembly, cladding systems and assembly, etc.). Assessment and application of health and safety principles (confined spaces, working at heights, etc.)

**Module Content & Assessment**

Assessment Breakdown	%
Coursework	100.00%

**Assessments**

Coursework			
<b>Assessment Type</b>	Short Answer Questions	<b>% of Total Mark</b>	25
<b>Timing</b>	Week 5	<b>Learning Outcomes</b>	1,2
<b>Assessment Description</b> Assessment of health and safety legislation and responsibilities			
<b>Assessment Type</b>	Short Answer Questions	<b>% of Total Mark</b>	30
<b>Timing</b>	Week 9	<b>Learning Outcomes</b>	2,3,4,5
<b>Assessment Description</b> Assessment of construction technologies and methodologies			
<b>Assessment Type</b>	Project	<b>% of Total Mark</b>	45
<b>Timing</b>	Week 13	<b>Learning Outcomes</b>	3,4,5
<b>Assessment Description</b> Prepare method statement and risk assessment on a discipline specific project			
No End of Module Formal Examination			
Reassessment Requirement			
<b>Repeat examination</b> Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.			

**Module Workload**

Workload: Full Time					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Delivery of module content and instruction	Every Week	2.00	2
Tutorial	Contact	Discipline specific tutorial	Every Week	2.00	2
Independent Learning	Non Contact	Self Study	Every Week	3.00	3
Total Hours					7.00
Total Weekly Learner Workload					7.00
Total Weekly Contact Hours					4.00

Workload: Part Time					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Delivery of module content and instruction	Every Week	2.00	2
Tutorial	Contact	Discipline specific tutorial	Every Week	1.00	1
Independent Learning	Non Contact	Self Study	Every Week	4.00	4
Total Hours					7.00
Total Weekly Learner Workload					7.00
Total Weekly Contact Hours					3.00

## Module Resources

### Recommended Book Resources

The National Examination Board in Occupational Safety and Health. (2011), NEBOSH Award in Health and Safety at Work.  
 Irish Government. (2005), Safety, Health and Welfare at Work Act (2005).  
 Irish Government. (2006), Safety, Health and Welfare at Work (Construction) Regulations 2006.  
 Irish Government. (2013), Safety, Health and Welfare at Work (Construction) Regulations 2013.

This module does not have any article/paper resources

### Other Resources

Website, Health and Safety Authority. HSA website,  
<http://www.hsa.ie>  
 Website, Health and Safety Executive (UK). HSE (UK) website,  
<http://www.hse.co.uk>

## Module Delivered in

Programme Code	Programme	Semester	Delivery
CR_CSTRU_8	<a href="#">Bachelor of Engineering (Honours) in Structural Engineering</a>	-1	Mandatory
CR_CCIVL_7	<a href="#">Bachelor of Engineering in Civil Engineering</a>	-1	Mandatory
CR_CENV1_7	<a href="#">Bachelor of Engineering in Environmental Engineering</a>	-1	Mandatory
CR_CARCT_8	<a href="#">Bachelor of Science (Honours) in Architectural Technology</a>	-1	Elective
CR_TARCH_7	<a href="#">Bachelor of Science in Architectural Technology</a>	-1	Elective
CR_ECTMS_7	<a href="#">Bachelor of Science in Craft Technology - Mechanical Services</a>	-1	Mandatory
CR_EMSTE_6	<a href="#">Certificate in Mechanical Services Technology</a>	-1	Mandatory
CR_CCIVL_6	<a href="#">Higher Certificate in Engineering in Civil Engineering</a>	-1	Mandatory
CR_CCEEE_9	<a href="#">Master of Engineering in Civil Engineering (Environment and Energy)</a>	-1	Mandatory
CR_CSTEN_9	<a href="#">Master of Engineering in Structural Engineering</a>	-1	Mandatory