## Sustainable Construction

### GRADED ACADEMIC SUBJECT CONTENT

<table>
<thead>
<tr>
<th>Credit Value of Unit 3</th>
<th>GLH of Unit 30</th>
<th>Level of Unit 3</th>
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<table>
<thead>
<tr>
<th>Learning Outcomes</th>
<th>Assessment Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>The student should be able to</strong></td>
<td><strong>The student can</strong></td>
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<tr>
<td>1 Recognise features of the natural environment that are taken into consideration at the planning stage of a project</td>
<td>1.1 Assess environmental impact of construction projects</td>
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<td>1.2 Explain the impact of construction projects on local communities</td>
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<tr>
<td>2 Understand forms of pollution arising from construction projects</td>
<td>2.1 Describe forms of pollution and their potential impact on the environment</td>
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<td>2.2 Analyse the effects of construction related incidents in relation to pollution events</td>
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<tr>
<td>3 Recognise methods utilised in protecting the natural environment from construction activities</td>
<td>3.1 Compare methods for protection of the natural environment considering cost and public perception</td>
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<td>3.2 Evaluate methods for protection</td>
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### Assessment Methodology

A 1000 – 1500 word assignment.

### Grading of this unit

The following grade descriptors will be applied to the assessment of this unit:

1 Understanding of the subject  
2 Application of knowledge  
4 Use of Information  
5 Communication and Presentation  
7 Quality

Please refer to the QAA Grade Descriptors for detail of the components of each descriptor.
## Indicative Content

**Learning Outcome 1**

Learners should assess the possible effects of construction related activity on the environment.

Learners could explain effects of construction activities on local communities such as:

- Noise
- Emissions
- Conservation
- Aesthetics
- Access
- Property values

**Learning Outcome 2**

Forms of pollution are identified and described and subsequent impact on the environment are analysed.

Learners could evaluate case study of construction related pollution event.

**Learning Outcome 3**

Learners could identify and describe protection methods taking into consideration cost issues and local perception.

Learners can evaluate protection methods undertaken.

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**Validation end date: 31 August 2019**