**Research**

**Carrying Out a Practical Investigation**

<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>
</tr>
<tr>
<td>1 Carry out an investigation</td>
<td>1.1 Collect sufficient and accurate data appropriate to the aims of the investigation</td>
</tr>
<tr>
<td></td>
<td>1.2 Carry out the investigation with due care and diligence</td>
</tr>
<tr>
<td>2 Analyse and draw conclusions from the findings</td>
<td>2.1 Present the data in appropriate formats to enable analysis</td>
</tr>
<tr>
<td></td>
<td>2.2 Draw conclusions from the data, linking to the theoretical context and aims of the investigation</td>
</tr>
<tr>
<td>3 Evaluate the investigation</td>
<td>3.1 Describe the limitations of the investigation</td>
</tr>
<tr>
<td></td>
<td>3.2 Describe improvements that could be made to the investigation</td>
</tr>
</tbody>
</table>

**Assessment Methodology**

This unit will be assessed by a 1000-1500 word assignment or its equivalent presented to an acceptable standard.

Practical activities could include:
- Lab work
- Field work
- Testing
- Software and hardware development

Students must communicate clearly and in an appropriate format the following:
- The methodology
- The data collected
- Conclusions drawn from the data
- And evaluation of the investigation

**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
3 Application of Skills
4 Use of Information
5 Communication and Presentation
6 Autonomy and/or Independence
7 Quality

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

**Validation end date: 31 August 2019**