Module Descriptor

Forensic Examination and Analysis of Physical Evidence

Module Code: ARC5020-B
Academic Year: 2018-19
Credit Rating: 20
School: School of Archaeological and Forensic Sciences
Subject Area: Forensic Science
FHEQ Level: FHEQ Level 5
Module Leader: Mr Robert Janaway

Additional Tutors:
Alan Hague

Pre-requisites:
Co-requisites:

Contact Hours

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Lectures</td>
<td>35</td>
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<tr>
<td>Laboratory</td>
<td>30</td>
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<tr>
<td>Directed Study</td>
<td>135</td>
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Availability Periods

<table>
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<tr>
<th>Occurrence</th>
<th>Location/Period</th>
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<tr>
<td>BDA</td>
<td>University of Bradford / Academic Year (Sept - May)</td>
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Module Aims

To develop skills in the forensic examination of items of physical evidence in the laboratory, in the recovery and comparison or analysis of contact trace material, in the optical, physical and chemical enhancement of scene marks and the presumptive testing of some commonly encountered evidential stains, in the context of forensic standards (ISO 17025).

Outline Syllabus


Module Learning Outcomes

On successful completion of this module, students will be able to...

1. Appraise the scope, methodology and limitations of different techniques to examine evidential material in the context of a forensic enquiry.

2. Assess the role of different approaches to this physical evidence.

3. Examine a variety of physical evidence, interpret results from these and form an expert opinion.

4. Understand the application of a range of instrumental techniques to the examination of contact and trace evidence.

5. Understand the needs and requirements of quality assurance in the analysis of materials in a forensic context.

6. Understand the actions of different firearm types, the role of firearms examiners to a police investigation & the nature of firearms & ballistics evidence.

7. Understand the process of writing & expert witness statement for laboratory examinations, & the relationship between this & standard laboratory notes & recording forms.

8. Analyse data from an investigation. Write comprehensive, concise notes and an expert report. Communicate both in writing and orally to a variety of audiences at the appropriate level.

Learning, Teaching and Assessment Strategy

Lectures, seminars and practical laboratory classes.

Mode of Assessment

<table>
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<tr>
<th>Type</th>
<th>Method</th>
<th>Description</th>
<th>Length</th>
<th>Weighting</th>
<th>Final Assess'</th>
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<tr>
<td>Summative</td>
<td>Examination - closed book</td>
<td>One 1.5 hour exam</td>
<td>1.5 hours</td>
<td>50%</td>
<td>Yes</td>
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<tr>
<td>Summative Coursework</td>
<td>Selected experimental findings, case notes and expert report</td>
<td>0-2000 words</td>
<td>50%</td>
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**Legacy Code (if applicable)**

**Reading List**
To view Reading List, please go to [rebus:list](#).