**Title of the module**

PSCI7170 (PS717) - Modern Approaches to Incident Management

1. **School or partner institution which will be responsible for management of the module**

Physical Sciences

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 7

1. **The number of credits and the ECTS value which the module represents**

30 credits (15 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn and Spring

1. **Prerequisite and co-requisite modules**

None

1. **The programmes of study to which the module contributes**

MSci Forensic Science

Optional for MSc-T Forensic Science

This is not available as a wild module.

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
2. Understand the general processes involved with managing various incident types (indicative topics may include – civil infrastructure incidents, disaster victim identification (DVI), acts of terrorism and weapons of mass destruction (WMDs) and smaller scale murder scene investigation).
3. Understand evidential prioritisation in relation to incident investigation.
4. Manage evidence recovery, storage and analysis.
5. Manage personnel & logistics in live and simulated incidents.
6. Write a critical report based on their own incident scene management.
7. Understand the science underlying chemical, biological, radiological and nuclear (CBRN) incidents.
8. Use computer simulations to aid their understanding of incident investigation and interpretation.
9. Apply a multidisciplinary scientific knowledge to their incident investigation processes across many different possible scenarios (see 8.1 for indicative topics).
10. **The intended generic learning outcomes.  
    On successfully completing the module students will be able to:**

9.1. Manage time, resources, and personnel.

9.2. Solve problems during real-time incidents and simulated exercises.

9.3. Communicate clearly with a variety of personnel.

9.4. Write reports to a professional level.

9.5. Use computer software effectively to model various complex scenarios.

1. **A synopsis of the curriculum**

This module will cover the core principles behind the management and investigation processes that may relate to a range of forensically-relevant incident types. Indicative areas of discussion may include investigation of civil infrastructure incidents, disaster victim identification (DVI), acts of terrorism and weapons of mass destruction (WMDs) as well as managing forensic resources over a range of major and smaller incidents.

In addition to the process-driven content above, students will further study the relevant science behind some of the incident types and develop the capability to computer model various aspects of these events. This ultimately provides students with the ability to take a modern, holistic and multidisciplinary scientific approach when interpreting what may have happened during such events.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Core text:

* Introduction to Emergency Management, Haddow. 2008.

Recommended reading:

* Aircraft Safety, Kraues. 2003
* Maritime Safety: The Human Factors. Trafford. 2009. Book Guild Publishing
* Homeland Security in the UK: Future Preparedness for Terrorist Attack since 9/11: Wilkinson.2007
* Blackstone's Counter-Terrorism Handbook: Stainforth. 2010 OUP
* Derail: Why Trains Crash. Faith: 2000. Channel 4 Publishing
* Air Accident Investigation. Owen. 2001.
* The Terrorism Reader: 4th Edition. Whittaker. 2012.
* Explaining terrorism; causes, processes and consequences. Crenshaw,
* Techniques of crime scene investigation, CRC Press, Fisher, 2012,

1. **Learning and teaching methods**

Total contact hours: 55

Private study hours: 245

Total study hours: 300

1. **Assessment methods**
   1. Main assessment methods

Incident Management Practical – 3 hours (25%)

Incident Report – 3000 words (15%)

Table-top incident simulation – 3 hours (25%)

Incident Portfolio – 5,000 words (35%)

13.2 Reassessment methods

Like-for-like

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *8.5* | *8.6* | *8.7* | *8.8* | *9.1* | *9.2* | *9.3* | *9.4* | *9.5* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Private Study | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Lecture | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  |  | **X** |  |
| *Computer class* |  |  |  |  |  |  | **X** | **X** |  |  |  |  | **X** |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Incident Management Practical | **X** | **X** | **X** | **X** |  |  |  |  | **X** | **X** | **X** |  |  |
| Incident Report |  |  |  |  | **X** |  |  |  |  | **X** |  | **X** |  |
| Table-top incident simulation | **X** |  |  | **X** |  | **X** |  |  | **X** | **X** | **X** |  |  |
| Incident Portfolio | **X** |  |  |  |  | **X** | **X** | **X** |  | **X** |  | **X** | **X** |

1. **Inclusive module design**

The School recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

The incident management processes taught in this module is largely applicable to incidents that may take place in any country of the world and are thus the skills are transferable and relevant to anyone, regardless of their country of origin or work. A variety of international case studies will also be used to further demonstrate this point. The importance of working and communicating with international organisations will also be emphasised and some protocols discussed will come from such sources, for example, INTERPOL (The International Criminal Police Organisation) and United Nations.

**FACULTIES SUPPORT OFFICE USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 12/02/19 | Major | September 2019 | 1, 7, 8, 9, 10, 11, 12, 13, 14 | No |
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Revised FSO Jan 2018