1. KentVision Code and title of the module

FSCI3080- Introduction to Ballistics

## Division and School/Department or partner institution which will be responsible for management of the module

Division of Natural Sciences (Chemistry and Forensic Science)

## The level of the module (Level 4, Level 5, Level 6 or Level 7)

Level 4

## The number of credits and the ECTS value which the module represents

15 credits (7.5 ECTS)

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

Spring

## Prerequisite and co-requisite modules and/or any module restrictions

None

## The course(s) of study to which the module contributes

Compulsory for the following courses:

BSc (Hons) Forensic Science

BSc (Hons) Forensic Science with a Year in Industry

BSc (Hons) Forensic Science with a Year Abroad

BSc (Hons) Forensic Science with a Foundation Year

MSci Forensic Science

This is available as an elective module

## The intended subject specific learning outcomes. On successfully completing the module students will be able to:

8.1 Demonstrate a basic understanding of Newtonian mechanics relating to the flight of projectiles;

8.2 Demonstrate rudimentary knowledge of firearm mechanisms;

8.3 Demonstrate core knowledge of firearm ammunition;

8.4 Demonstrate basic applications of forensic science to ballistics;

8.5 Demonstrate an appreciation of social and political influences of firearms on society.

## The intended generic learning outcomes. On successfully completing the module students will be able to:

9.1 Demonstrate a range of mathematical abilities;

9.2 Demonstrate a range of communication skills;

9.3 Demonstrate skills in research and the use of scientific literature.

## A synopsis of the curriculum

This module introduces students to the mathematical, physical, social and legal concepts that underpin academic study in the field of forensic ballistics.

## Reading list

## The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.

## The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

## Contact Hours

Private Study: 124

Contact Hours: 26

Total: 150

## Assessment methods

13.1 Main assessment methods

* Online Quiz (2 hours) – 20%
* Presentation (10 minutes) – 40%
* Written Assessment (500 words) – 40%

13.2 Reassessment methods

* 100% by Coursework

## Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section 12) and methods of assessment (section 13)

**Module learning outcomes against learning and teaching methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lectures | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** |
| Private Study | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Online Quiz | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** |
| Presentation | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Written Assessment | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

## Inclusive module design

The Division 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

## Campus(es) or centre(s) where module will be delivered

Canterbury

## Internationalisation

Science is an international discipline with widely applicable international resonance. This module presents subject-specific knowledge generated, developed, and refined by scientists around the world. Mastery of the learning outcomes will equip students to apply the knowledge in a wide range of international contexts and these will be addressed in making the content relevant to current global issues. The Division of Natural Sciences is an international community of students and staff and group activities and teaching will provide a platform for internationally-focussed discussion.

**DIVISIONAL USE ONLY**

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

| Date approved | New/Major/minor revision | Start date of delivery of (revised) version | Section revised  (if applicable) | Impacts PLOs (Q6&7 cover sheet) |
| --- | --- | --- | --- | --- |
| Jan 2021 | Major | Sept 2021 | 5, 7-10, 13-14, 17 | Yes |
| 8 Dec 2021 | Minor | Sept 2022 | 12 | No |