1. KentVision Code and title of the module

PSCI7800 – MSc Research Project

## 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 7

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

60 Credits (30 ECTS)

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

Summer

## 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:

MSc Forensic Science

Not available as an elective module

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

8.1 Report practice in laboratory analysis, functional materials and/or substances of abuse.

8.2 Use advanced laboratory analytical methods and apparatus as applied to general analysis and forensic investigation.

8.3 Demonstrate advanced research skills at postgraduate level including the ability to select the most appropriate techniques for a given analysis and to be able to communicate and report these in the most effective manner.

8.4 Undertake advanced scientific investigations, advanced problem solving and data analysis in a research environment.

8.5 In conjunction with PSCI7000 (Physical Science Research Planning) gain knowledge of how postgraduate research is structured and funded.

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

9.1 Use critical thinking, reasoning and reflection.

9.2 Recognise and solve problems at an advance level.

9.3 Generate, analyse, interpret and present in a range of environments.

9.4 Demonstrate personal and interpersonal skills, working as a member of a team and individual.

9.5 Learn effectively for the purpose of continuing personal development.

9.6 Demonstrate skills relevant to a career in forensic science, chemical industry or research.

9.7 Manage time and resources within an individual project.

## A synopsis of the curriculum

Students will undertake a project from an available project listing and will work under the guidance of a supervisor. The student will be encouraged to develop some level of research independence within the project remit appropriate of a postgraduate master’s student.

The project will be assessed on a number of criteria which will include the project work (the amount, quality etc. appropriate for the level), effort put in by the student, the preparation of a written report and an oral presentation session. The student’s progress will be assessed mid way through the research project through a progress report. This will also involve some degree of forward planning such that the students assess their own project requirements for the following period allowing the student to learn time management and forward planning skills.

## 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: 300

Contact Hours: 300

Total: 600

## Assessment methods

13.1 Main assessment methods

* Progress Report (approx. 8 pages) – 10%
* Presentation (30 minutes) – 20%
* Supervisor’s Assessment – 20%
* Project Report (approx. 40 pages) – 50%

13.2 Reassessment methods

* Like-for-like

## 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 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Private Study | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Project Practical | **x** | **x** | **x** | **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 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Progress Report | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Presentation | **x** | **x** | **x** | **x** | **x** |  |  | **x** |  |  |  |  |
| Supervisor’s Assessment | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Project Report | **x** | **x** | **x** | **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

Forensic Science is an international subject with physical laws discovered and techniques developed and refined by scientists across the globe. Mastery of the subject-specific learning outcomes will equip students to apply the theories and techniques of this module in a wide range of international contexts. The module team is drawn from the Division of Natural Sciences, which includes many members of staff with international experience of teaching and research collaboration. In compiling the reading list, consideration has been given to the range of texts that are available internationally and a selection of texts has been identified to complement the delivery of the material. The support the Division provides to its students is also internationally attuned given our international student body.

**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) |
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| Revised FSO Jan 2018 |