1. KentVision Code and title of the module

PHS5300 – Physics Group Project

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

Division of Natural Sciences (Physics & ASSA)

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

Level 5

## 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) Physics (and all related variants)

BSc (Hons) Physics with Astrophysics (and all related variants)

BSc (Hons) Astronomy, Space Science, and Astrophysics (and all related variants)

MPhys Physics (and related variants)

MPhys Physics with Astrophysics (and all related variants)

MPhys Astronomy, Space Science, and Astrophysics (and all related variants)

Not available as an elective module

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

8.1 Apply physics to unfamiliar areas (i.e. synoptic or general problem-solving that crosses traditional topic or module boundaries).

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

9.1 Solve problems effectively using the appropriate methodology.

9.2 Demonstrate detailed investigative skills.

9.3 Effectively communicate information, arguments, and analysis, in a variety of forms, to specialist and non-specialist audiences, and deploy key techniques of the discipline effectively.

9.4 Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis.

9.5 Demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge.

9.6 Demonstrate competent ICT skills.

## A synopsis of the curriculum

This module gives students experience of group work in the context of a physics investigation in an unfamiliar area. The module includes workshops for advice about successful group project work, and culminates in each group producing a report and presentation.

## 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: 130

Contact Hours: 20

Total: 150

## Assessment methods

13.1 Main assessment methods

* Report (10,000 words) – 50%
* Presentation (30 minutes) – 30%
* Project Plan (2 hours) – 10%
* Reflective Essay (1,000 words) – 10%

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 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Private Study | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Lectures | **x** |  |  | **x** |  | **x** |  |
| Workshops | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Meetings | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | 8.1 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Report | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Presentation | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Peer Assessment | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Reflective Essay | **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) |
| --- | --- | --- | --- | --- |
| 31 Oct 2022 | Minor | Sept 2023 | 13 | No |
|  |  |  |  |  |