1. **Title of the module**

PHYS7540 (PH754) - Euromasters Project

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**

120 credits (60 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**

Prerequisite:

Progression from Stage 1 of the Euromasters programme.

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

MSc in Physics (Euromasters)

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

Have:

* Experience of research at the forefront of condensed matter physics or astrophysics/planetary science.
* An ability to solve advanced and large scale problems in Physics using mathematical and/or laboratory tools.
* An ability to plan an investigation under supervision and to understand the significance and limitations of the results.
* A working knowledge of a variety of experimental, theoretical and computational techniques applicable to current research within physics/Astrophysics.
* Computing and IT skills at a level appropriate for Physics/Astrophysics research.
* An ability to make use of research articles and other primary sources.

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

Have:

* Personal skills such as the ability to work independently and as part of a group, to use initiative, time management and the ability to meet deadlines.
* The ability to perform research at the forefront of a research topic.
* The ability to write a large scale report on research.

1. **A synopsis of the curriculum**

A student, supervisor and project will be brought together consensually and a one year research project will be performed within one of the SPS research groups. This will be completely equivalent to a current research masters degree.

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

None; appropriate background reading will be suggested by individual project supervisors.

1. **Learning and teaching methods**

*Total contact hours:*

*Private study hours:*

*Total study hours:*

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

Assignment (80%)

Presentation (20%)

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* | *9.1* | *9.2* | *9.3* | *9.4* |  |  |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Private Study** |  |  |  |  |  |  |  |  |  |  |  |  |
| *e.g. workshop* |  |  |  |  |  |  |  |  |  |  |  |  |
| *e.g. laboratory* |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |  |
| *e.g. MCQ test* |  |  |  |  |  |  |  |  |  |  |  |  |
| *e.g. Presentation* |  |  |  |  |  |  |  |  |  |  |  |  |
| *e.g. Essay – including word length* |  |  |  |  |  |  |  |  |  |  |  |  |
| *e.g. Examination* |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

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**

Please highlight aspects of this module where internationalisation is actively incorporated or intended. Refer to any relevant internationally-focused learning outcomes and, where possible, identify internationalisation in any of the following: subject content, assessment tasks, teaching methods/activities and support activity.

*Support and explanation will be provided via a separate curriculum internationalisation toolkit, available from the Dean for Internationalisation. For further guidance contact Anthony Manning or see* [*https://www.kent.ac.uk/global/curriculum.html*](https://www.kent.ac.uk/global/curriculum.html)*.*

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**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) |
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Revised FSO Jan 2018