1. **Title of the module**

PHYS7510 (PH751) - Research Review

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**

15 credits (7.5 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**

MSc in Physics (Euromasters)

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

Have:

* An appreciation of the “state of the art” in a chosen focussed area of Physics.
* An ability to explain complex physical arguments to an audience of experts.
* An ability to make a critical analysis of specialist literature.

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

Have:

* An understanding at the frontier of knowledge in a subject.
* An ability to make a critical analysis of published scientific literature.
* Enhancement of the ability to interpret theory.
* An ability to present information graphically and textually at an advanced intellectual level.
* An ability to explain complex physical arguments to a scientifically literate, but non-specialist audience.
* An ability to produce a substantial piece of independent work.

1. **A synopsis of the curriculum**

In consultation with a member of staff the student will choose a topic within any branch of physics for which appropriate supervision is available and write an article on that topic that would be suitable for publication in the scientific literature as a review article.

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

* Journal: Reviews of Modern Physics (American Physical Society)
* Journal: Reports on Progress in Physics (Institute of Physics)
* Journal: Condensed Matter Physics: Eds Seitz, Turnbull and Ehrenreich (Academic Press)
* Journal: Astronomy and Astrophysics Review (Springer)

1. **Learning and teaching methods**

Total contact hours: 0

Private study hours: 150

Total study hours: 150

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) |
|  |  |  |  |  |
|  |  |  |  |  |

Revised FSO Jan 2018