1. **Title of the module**

BIOS6390 (BI639) Frontiers in Oncology

1. **School or partner institution which will be responsible for management of the module**

Biosciences

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 6

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

1. **Prerequisite and co-requisite modules**

None

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

BSc Biomedical Science and related programmes

BSc Biochemistry and related programmes

BSc Biology and related programmes

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will have:**
   1. An understanding of selected fields and the leading issues/hot topics in the field of oncology and the limitations of our current knowledge about oncology.
   2. An understanding of the concepts and functions behind standard cell biological, biochemical, and molecular biological assays used in oncological research.
2. **The intended generic learning outcomes.  
   On successfully completing the module students will have developed:**

9.1 The ability to understand, analyse and assess published scientific data.

9.2 The ability to assess presented scientific data and concepts, providing constructive feedback.

9.3 The ability to design and conceptualise experiments to address specific scientific questions.

9.4 The ability to communicate effectively to a variety of audiences and/or using a variety of methods.

9.5 Problem solving skills.

1. **A synopsis of the curriculum**

The module aims to develop understanding and analytical skills in oncology, based around interactive seminars wherein students will analyse, present, and discuss the relevant research literature. The students will gain experience in scientific design, literature analysis, scientific communication, and the analysis of experimental data.

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

Core Text: Selected articles from scientific journals will be provided from Templeman Library electronic journal collections.

1. **Learning and teaching methods**

The subject specific knowledge and generic skills will be delivered and developed through a combination of lectures and interactive discussions/presentations of scientific publications.

Oral communication skills, and the ability to assess orally-presented data, will be developed though formal and informal presentations with evaluations.

**Contact hours**: 23

**Self-Study hours**: 127

**Total study hours:** 150

1. **Assessment methods**

**13.1. Main Assessment Methods**

Critical analysis worksheets (7x 350words) 10%

Technical summary (750 words) 60%

Oral presentation (10 min) 30%

**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*** | ***9.1*** | ***9.2*** | ***9.3*** | ***9.4*** | ***9.5*** |
| **Learning/ teaching method** |  |  |  |  |  |  |  |
| Lectures | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Oral presentation symposium | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Self-study |  |  |  |  |  |  |  |
| *Reading, preparation* | **X** | **X** | **X** |  |  | **X** |  |
| *Written assessment* | **X** | **X** | **X** |  | **X** | **X** | **X** |
| *Preparation oral assessment* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| **Assessment method** |  |  |  |  |  |  |  |
| Article evaluation worksheets | **X** | **X** | **X** |  |  | **X** |  |
| Written assessment (grant proposal) | **X** | **X** | **X** |  | **X** | **X** | **X** |
| Oral presentation | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

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**

Biosciences is an international discipline. This module presents subject-specific knowledge, research approaches and techniques, generated, developed and refined by scientists around the world. Mastery of the learning outcomes will equip students to apply the theories and techniques of the module in a wide range of international contexts. In compiling the reading list, consideration has been given to the range of texts that are available internationally and a selection has been identified to complement the delivery of the material. The School of Biosciences is an international community of students and staff. Group activities e.g. in practicals, tutorials, workshops and self-study will naturally draw on the international make-up of the student body; the module teaching team includes members with international experience of teaching and research collaboration.

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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) |
| 24/05/17 | Minor | September 2017 | 6, 11, 13 | No |
| 20/01/20 | Minor | September 2020 | 12, 13 | No |