1. KentVision Code and title of the module

BIOS5250 – Investigation of Disease

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

Division of Natural Sciences (Biosciences)

## 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)

Autumn

## 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 Biomedical Science and related courses

Not available as an elective module

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

8.1 Demonstrate a cogent understanding of the working practices in the United Kingdom National Health Service and the role of a Biomedical Scientist;

8.2 Demonstrate critical knowledge and understanding of the general techniques used in Clinical Biochemistry and their use in the assessment of disease;

8.3 Demonstrate significant knowledge and understanding of the general techniques used in Cellular Pathology and application to the assessment of disease and potential treatment strategies.

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

9.1 Demonstrate assertiveness when interpreting and retrieving information;

9.2 Demonstrate the ability to generate, interpret, analyse and evaluate data;

9.3 Demonstrate the ability to communicate effectively to a varied audience;

9.4 Demonstrate confident practical skills in selected diagnostic pathology laboratory techniques.

## A synopsis of the curriculum

This module introduces students to clinical biochemistry and cellular pathology, and molecular pathology.

Students learn about the principles of and procedures for a wide variety of techniques employed in modern laboratory medicine. Students practice integration and practical application of this knowledge throughout the module using diagnostic case study analyses. The clinical biochemistry section is organised anatomically. The cellular and molecular pathology section is organised according to laboratory medicine specialities, with particular emphasis placed on the detection and diagnosis of cancer in the NHS. Quality assurance, governance and regulatory systems relevant to UK laboratory medicine are introduced.

## 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: 31

Contact Hours: 119

Total: 150

## Assessment methods

13.1 Main assessment methods

* Practical Report (1,500 words) – 40%
* Examination (2 hours) – 60%

13.2 Reassessment methods

* Like-for-like

## Map of module learning outcomes (sections 9 & 10) to learning and teaching methods (section 13) and methods of assessment (section 14)

**Module learning outcomes against learning and teaching methods:**

| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *9.1* | *9.2* | *9.3* | *9.4* |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Private Study | **x** | **x** | **x** | **x** |  |  |  |
| Lecture | **x** | **x** | **x** |  |  |  |  |
| Practical | **x** |  | **x** | **x** | **x** | **x** | **x** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *9.1* | *9.2* | *9.3* | *9.4* |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Practical Report | **x** |  | **x** | **x** | **x** | **x** | **x** |
| Examination | **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) |
| --- | --- | --- | --- | --- |
| 20 Jan 2020 | Minor | September 2020 | 11-13 | No |
| 15 Jan 2021 | Major | September 2021 | 5, 9-10, 13-14 | No |
| 16 Dec 2021 | Minor | September 2022 | 11 | No |

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| Revised FSO Feb 2020 |