1. KentVision Code and title of the module

BIOS6500 – Eukaryotic Biodiversity and Evolution for Biologists

## 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 6

## 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 Biology 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 detailed knowledge of the major processes underlying eukaryotic diversity and evolution;

8.2 Demonstrate confident practical skills and data handling methods associated with taxonomy, diversity and evolution of eukaryotes;

8.3 Demonstrate complex understanding of the genetic basis of biodiversity;

8.4 Confidently integrate knowledge of eukaryotic diversity and evolution with the genetic basis of biodiversity.

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

9.1 Interpret and retrieve information critically;

9.2 Analyse and evaluate complex data confidently;

9.3 Demonstrate effective communication skills in a variety of ways.

## A synopsis of the curriculum

This module will introduce the students to the taxonomy and diversity of eukaryotic organisms in the various domains of the tree of life. Students will become familiarised with the various theories on the evolution and adaptations of both unicellular and multicellular eukaryotes. It will also teach the techniques and skills required to analyse the diversity and evolution of these organisms at the genomic level.

## 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: 24

Contact Hours: 126

Total: 150

## Assessment methods

13.1 Main assessment methods

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

The practical report is a compulsory sub-element and must be passed to complete the module

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* | *8.4* | *9.1* | *9.2* | *9.3* |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Private Study | **x** | **x** |  |  | **x** | **x** | **x** |
| Lecture | **x** |  |  |  | **x** |  |  |
| Group Discussion | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Practical | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *9.1* | *9.2* | *9.3* |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Practical Report | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Examination | **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) |
| --- | --- | --- | --- | --- |
| 17 Dec 2020 | Major | September 2021 | 1, 8, 10-14 | No |
| 16 Dec 2021 | Minor | September 2022 | 13 | No |