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Genetics & Evolution - BIO00009C

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- **Department:** Biology
- **Module co-ordinator:** Dr. Ville Friman
- **Credit value:** 10 credits
- **Credit level:** C
- **Academic year of delivery:** 2020-21
 - See module specification for other years: [2018-19](#) [2019-20](#)

Module will run

Occurrence

A

Teaching cycle

Spring Term 2020-21 to Summer Term 2020-21

Module aims

Genetics and Evolution builds upon the content of Genetics. It starts with topics that extend the principles of simple Mendelian genetics before considering the dynamic nature of genes and genomes. This material will then lead into the evolutionary genetics section that includes topics related to natural selection, phylogeny, the origin of human diversity and an overview of the history of life on Earth. The module will include content based upon research on-going in the department that relate to topics covered.

Module learning outcomes

By the end of this module a successful student will be able to:

- Describe and explain how interactions between genes can influence phenotype, and interpret examples of genetic inheritance
- Describe and review how interactions between genes and the environment can influence phenotype, and interpret examples
- Describe and explain the main processes that lead to evolutionary change, and employ simple population genetics and phylogenetic methods to illustrate them
- Recall major events and processes that have shaped the diversity of living organisms and the evidence for them

Assessment

Task	Length	% of module mark
24 hour open exam Genetics & Evolution	N/A	100

Special assessment rules

None

Reassessment

Task	Length	% of module mark
24 hour open exam Genetics & Evolution	N/A	100

Module feedback

Cohort-level feedback will be provided on performance in closed exams and made available via the VLE. Histograms of module marks will be posted on the notice boards outside the Biology Student Services office. Individual marks will be made available to you and your supervisor via e:vision. Exam scripts will be made available at the end of either the Spring or Summer terms. You should take the opportunity to discuss your marks and feedback with your supervisor.

During the teaching of the module you will receive feedback that may be at a whole class or individual level. Forms of feedback may include: model answers and discussion of workshop questions, summaries of performance in practicals, VLE-based quizzes, individual spoken comments during workshops, individual written comments on formative work.

Indicative reading

These are available through the VLE module site.

The information on this page is indicative of the module that is currently on offer. The University is constantly exploring ways to enhance and improve its degree programmes and therefore reserves the right to make variations to the content and method of delivery of modules, and to discontinue modules, if such action is reasonably considered to be necessary by the University. Where appropriate, the University will notify and consult with affected students in advance about any changes that are required in line with the University's policy on the [Approval of Modifications to Existing Taught Programmes of Study](#).

Coronavirus (COVID-19): changes to courses

The 2020/21 academic year will start in September. We aim to deliver as much face-to-face teaching as we can, supported by high quality online alternatives where we must.

Find details of the measures we're planning to protect our community.

[Course changes for new students](#)