



MODULE - 40% PASS ON AGGREGATE

Module Type: Coursework

Timetable Slot:F1/, E1, F2

BEFORE TAKING THIS MODULE YOU MUST TAKE BIO-4001A AND TAKE BIO-4002B OR TAKE BIO-4013Y

Discuss a variety of aspects of Biology in society – ranging from ethical considerations of GM crops and designer babies to the portrayal of biological science in the media and science fiction. This module will provide you with an opportunity to explore various aspects of biology in society. Specific topics covered will involve aspects of contemporary biological science that have important ethical considerations for society, such as GM crops, DNA databases, designer babies and stem cell research. You will critically analyse the way biological sciences issues are represented in popular literature and the media. What was once viewed as science fiction has sometimes become scientific reality. Conversely, science fiction can often portray science inaccurately. You will also research relevant scientific literature and discover the degree of scientific accuracy represented within examples of science fiction.

### **2019/0 - BIO-5020K CONSERVATION, ECOLOGY AND BIODIVERSITY IN THE TROPICS (FIELD COURSE)**

Full Year, Level 5 module  
(Maximum 40 Students)

UCU: 20

Organiser: Dr Iain Barr

MODULE - 40% PASS ON AGGREGATE

Module Type: Coursework

Timetable Slot:H2/, A1/-F1\, C2\

Conservation ecology and biodiversity are central areas of research in the biological sciences and they share many theories, concepts and scientific methods. This module intends to take a practical approach to the commonalities in these areas using a combination of seminar work and fieldwork. The seminars will develop ideas in sub-tropical and tropical biology: students will research issues affecting conservation of biodiversity in the tropics, considering the species ecology and the habitats, threats and challenges. There will be a significant component of small group work and directed, independent learning. The field component of this module will be a two week residential field trip to the tropics, one of two field sites (depending on numbers of students and availability). The field sites are run by expert field ecologists and during the two weeks we will explore the local environment, learn about the ecology of the landscape and about the species that inhabit the area. We will develop and run practical sessions on survey and census techniques, use of technology in modern field biology and the role of protected areas in species conservation. Students will conduct original research on the field trip, informed by prior research at UEA, to gain a deeper understanding of an aspect of tropical biology. There will be an assessed presentation on the field trip and many opportunities to develop the students own interests. All student participants will take an active role in the organisation and running of the module in order to gain project management and field logistics experience. Students will be responsible for the sourcing, storage and transport of field equipment on the way to the field site and of samples on the return to the UK. Students will gain experience of travelling to a remote area and of working through

