

History, Philosophy, & Ethics of Science for the Life Sciences | PIU22991

Year	Senior Freshman
ECTS Credits	5
Contact Hours	32 (22 hours of lectures; 10 hours of tutorials)
Pre-requisite	None
Semester	1
Module Leader & Lecturer	Dr Adrian Downey
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Module Outline:

Students will be introduced to the ‘nuts and bolts’ of the Philosophy of Science, and thereby come to an understanding of what it is and why philosophical questions can be pertinent even to the everyday practise of science. Topics covered will include: the Scientific Revolution, scientific methodology, the nature of scientific inference, theory-change in science, and the role of human values in science.

Assessment:

- 4 essays, each worth 25% of the overall grade.

Recommended Reading List:

An extensive and detailed reading list will be made available at the start of the module. To prepare for it, the following reading will be useful:

- *Philosophy of Science*, Philip Kitcher (<https://www.britannica.com/topic/philosophy-of-science>).