

Study with us

## About your course

### Courses covered

| Code               | Title                                    |
|--------------------|------------------------------------------|
| HHMBIOB<br>HHMBIOM | MSc Biotechnology, MSc Molecular Biology |

You can find full details of your course in the *Programme Specification*.

### Important points

The programme is designed to provide a postgraduate education in Biotechnology and Molecular Biology for graduates in the Biosciences or Biological Chemistry. A strong practical foundation is provided in the first semester with the study of modules that concentrate on the basic principles and techniques used in modern molecular biology investigations, and on aspects of cellular molecular biology and development. In the second semester there is a progression to problem-based learning (PBL) to develop an in-depth understanding of the application of molecular biological approaches to the production of industrial and medicinal proteins, the characterisation of selected diseases and the design of new drugs for their treatment. During the final semester, the research project may include aspects of, cardiovascular molecular biology, cancer, angiogenesis research, diabetes, general cellular molecular biology, bioinformatics, and microbiology.

The use of problem-based learning approaches is a key feature of the programme and will promote development of investigative skills, the ability to work in a group and confidence in the investigation of new research areas.

### Academic Year

#### *Academic Year 2019 - 2020*

The University's academic year is made up of 3 Semesters. For most undergraduate/postgraduate students the academic year is split into two Semesters (A & B). Each of these is made up of teaching weeks followed by exams (the re-sit period falls within Semester C)

- Semester A runs from Monday 23 September 2019 to Friday 17 January 2020
- Semester B runs from Monday 20 January 2020 to Friday 22 May 2020
- Semester C runs from Monday 25 May 2020 to Friday 18 September 2020

## Additional expenses

| Description         | Year | Mandatory/<br>Optional | Estimated cost |
|---------------------|------|------------------------|----------------|
| Textbook per module | 1    | Optional               | £60x4          |