



Course

Principles of Molecular Biology (Advanced)

BIOC2201

6 Units of Credit

Overview

Provides an introduction to modern molecular biology and covers the molecular mechanisms of gene expression and fundamental aspects of recombinant DNA technology. The major topics covered include: the structure, function and properties of DNA and RNA; the replication and transcription of DNA; protein synthesis; regulation of gene expression; molecular biological techniques (DNA cloning, hybridization analysis, DNA sequencing, site-directed mutagenesis; the polymerase chain reaction (PCR), and microarrays); Bioinformatics; Applications of Molecular Biology; Biotechnology; and recent advances in molecular biology. Practical work to complement the lectures. Note: Enrolment in this course may be subject to quota restrictions. Such restrictions only apply to students taking this course as an elective part of their plan.

Faculty

Faculty of Science

School

School of Biotechnology and Biomolecular Sciences

Study Level

Undergraduate

Offering Terms

Term 3

Campus

Kensington

Delivery Mode

Fully on-site

Indicative contact hours

7

Timetable

[Visit timetable website for details](#)

Conditions for Enrolment

Prerequisite: BABS1201 or DPST1051 and CHEM1011 or DPST1031 or CHEM1031 or CHEM1051 or CHEM1811 and CHEM1021 or DPST1032 or CHEM1041 or CHEM1061 or CHEM1821

Exclusion Courses

BIOC2291 | 6 UOC

Fundamentals of Molecular Biology

GENB1001 | 3 UOC

The Consumers Guide to DNA

GENS6011 | 3 UOC

The Consumers Guide to DNA

Course Outline

To access course outline, please visit:

[BIOC2201 Course Outline](#)

Fees

Commonwealth Supported Students \$1170

Domestic Students \$5760

International Students \$5760

DISCLAIMER

Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the [fee website](#).

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.

Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

[Pre-2019 Handbook Editions](#)

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Authorised by Deputy Vice-Chancellor (Academic)

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ABN: 57 195 873 179