Applied Bioinformatics

Overview

Bioinformatics methods and data generated or analysed by these methods are of increasing importance in the biological sciences. This course explores the algorithms, assumptions, applications and limitations of a number of bioinformatics methods used for DNA and protein sequence analysis, biomolecular structure prediction and analysis, and functional genomics including microarray data analysis. Practical work emphasises the use and applications of standard bioinformatics tools and databases. Assumed knowledge: Fundamentals of molecular biology, introductory statistics and probability. Computer programming skills not necessary.

The course is targeted at students with a biology background. Students without knowledge of molecular biology foundations may find the course difficult. Some readings will be provided at the start of the course for these students.

This course does not require programming, however it does involve the use of Linux.
Faculty
Faculty of Engineering

School
School of Computer Science and Engineering

Study Level
Postgraduate

Offering Terms
Term 2

Campus
Kensington

Indicative contact hours
6

Timetable
Visit timetable website for details
Course Outline

To access course outline, please visit:

BINF9010 Course Outline
Fees

Commonwealth Supported Students   $1191
Domestic Students                 $4470
International Students            $5910

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. Fees for courses delivered through UNSW Global are published and charged by UNSW Global and thus appear as "Not Applicable" on this site.

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