Overview

Computing now pervades nearly every aspect of modern life, including health care delivery and health services management. The objective of this course is to develop 'computational thinking' in health data science students, by providing you with a thorough and principled introduction to computer programming, algorithms, data structures and software engineering best practices. The ability to write clear, efficient and correct computer code is at the core of most data science practice and is a foundation skill set.

In this course, you will learn to program in the Python language through tackling health-related problems. Topics include data types, functions, data processing, simulation, software development and program testing and debugging. Theoretical principles are reinforced with extensive ‘hands-on’ coding in Python, including the NumPy and Pandas packages.

The course is accessed via www.openlearning.com. Core material will be delivered as short lectures and readings supported by interactive coding activities. Practical exercises will utilise Spyder/Jupyter Notebook documents.
**Faculty**
Faculty of Medicine

**School**
School of Medical Sciences

**Study Level**
Postgraduate

**Offering Terms**
Term 1

**Campus**
Kensington

**Delivery Mode**
Fully online

**Indicative contact hours**
3

**Timetable**
Visit timetable website for details
Course Outline

To access course outline, please visit:

HDAT9300 Course Outline
Fees

Commonwealth Supported Students $1395
Domestic Students $3960
International Students $4890

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.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

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