



## Aims

This course is designed for students preparing to enter university to study Biomedical Science or Health Science. The aims of the course are to familiarise students to fundamental concepts of both biology and human biology. The scope of this course is to introduce students to the basic concepts in human anatomy and physiology, pathology, molecular & cell biology, and public health & epidemiology.

## Learning outcomes

- On completing this course, students will be able to:
- > Demonstrate a basic level of knowledge of the structure of the human body at both the microscopic and macroscopic levels of organisation
  - > Demonstrate an understanding that structure and function are interrelated, and provide specific examples of such interrelationships from within the human body
  - > Correlate specific structural features of cells, tissues, organs and systems of the human body with their normal functions, and appreciate that alterations to structure affect function
  - > Apply their knowledge of the human body in the interpretation of common health-related scenarios encountered in day-to-day living
  - > Demonstrate respect for the human body and for the diversity observed within the human species
  - > Demonstrate research skills including locating, critically evaluating, organising, synthesising and communicating scientific information.

## Required materials

Course booklet supplied by  
The University of Adelaide College

OpenStax, Biology. OpenStax CNX. Dec 20, 2017 <http://cnx.org/contents/185cbf87-c72e-48f5-b51e-f14f21b5eabd@10.120>

OpenStax, Anatomy & Physiology. OpenStax CNX. Mar 2, 2018 <http://cnx.org/contents/14fb4ad7-39a1-4eee-ab6e-3ef2482e3e22@8.119>

Free online and open source textbooks

## Course content

The following topics will be covered:

- > Biochemistry, cells and tissues
- > Human anatomy and patho-physiology
- > Genetics and evolution
- > Public health and epidemiology

Further details of the course content will be advised in the first week of classes

## Contact hours

4 hours per week



## Assessment

Indicative weightings for each assessment item are outlined below

Assessment	Weighting
Final exam	40%
Two semester tests	20%
Tutorials	20%
Research Assignment	20%