



Aims

This course is designed for students preparing to enter university to study biomedical/health sciences. 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, pharmacology, 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

Course content

The following topics will be covered:

- > Biochemistry, cells and tissues
- > Human anatomy and patho-physiology
- > Genetics and evolution
- > Pharmacology and drug action
- > 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 3 hour exam	40%
Three semester tests	40%
Assignment	10%
Participation	10%