



AIMS

This course is designed for students preparing to enter university to study Biomedical Science, Health Science, Agricultural Sciences or Food and Wine 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, molecular biology and cell biology.

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 and other organisms
 - 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 research skills including locating, critically evaluating, organising, synthesising and communicating scientific information.

REQUIRED MATERIALS

Course materials supplied by The University of Adelaide College:

OpenStax, Biology. https://cnx.org/contents/GFy_h8cu@11.10:rZudN6XP@2/Introduction

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:

- Biological molecules
- Biochemistry and metabolism
- Cell biology
- Genetics and evolution
- Human anatomy and physiology

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%
Three semester tests	30%
Tutorials, assignments	7.5%
Online quizzes	7.5%
Research assignments	15%