

NATS 0016 SCIENCE FOR HEALTH PROFESSIONALS (WSTC)

Credit Points 10

Legacy Code 900090

Coordinator Lyneene Orsini ([https://directory.westernsydney.edu.au/search/name/Lyneene Orsini/](https://directory.westernsydney.edu.au/search/name/Lyneene%20Orsini/))

Description The depth of knowledge and practical skills required by health professionals in the 21st century is very different to that which was required in the past. Medical treatment of illness and disease has become increasingly technical and health professionals are expected to work in partnership to determine patient care. In order to achieve this, today's health professional must have a basic understanding of the fundamental scientific principles behind health and disease. Increasingly, modern health science is concerned with maintaining health as a way of preventing disease and this is achieved through a holistic approach to the human condition. This subject is an introduction to the basic concepts in human body systems, health and disease, that are required in order to commence any tertiary health science program.

School Western Sydney The College

Discipline Natural and Physical Sciences, Not Elsewhere Classified.

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 0 Preparatory subject

Restrictions

This subject is only available to College students enrolled in the Undergraduate Preparation Programs.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Interpret and apply a wide range of biological and scientific terms describing the structure, function and location of human body systems and their interdependence.
2. Describe in basic terms the nature of genes and inheritance.
3. Describe factors that contribute to healthy functioning of the body.
4. Critically evaluate health-related information and evidence.

Subject Content

- Cell structure and function
- Introduction to Body Systems
- Reproduction and Genetics
- Homeostasis—Interdependence of body systems
- Health and Disease
- Tools of Diagnosis

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are

regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Quiz	15 minutes	5	N	Individual	N
Log/ Workbook	a. Quiz: up to 30 min (10%) b. Participatio (10%)	20	N	Individual	N
Intra-session Exam	1 hour	20	N	Individual	N
Quiz	45 minutes online	15	N	Individual	N
Final Exam	2 hours and 20 minutes	40	N	Individual	N

Teaching Periods

Term 2 (2024)

Nirimba Education Precinct

On-site

Subject Contact Virginia Shepherd ([https://directory.westernsydney.edu.au/search/name/Virginia Shepherd/](https://directory.westernsydney.edu.au/search/name/Virginia%20Shepherd/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS0016_24-T2_BL_1#subjects)

Term 3 (2024)

Nirimba Education Precinct

On-site

Subject Contact Lyneene Orsini ([https://directory.westernsydney.edu.au/search/name/Lyneene Orsini/](https://directory.westernsydney.edu.au/search/name/Lyneene%20Orsini/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS0016_24-T3_BL_1#subjects)

Spring Block 2 (2025)

Nirimba Education Precinct

On-site

Subject Contact Lyneene Orsini ([https://directory.westernsydney.edu.au/search/name/Lyneene Orsini/](https://directory.westernsydney.edu.au/search/name/Lyneene%20Orsini/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS0016_25-SB2_BL_1#subjects)

Campbelltown

On-site

Subject Contact Lyneene Orsini ([https://directory.westernsydney.edu.au/search/name/Lyneene Orsini/](https://directory.westernsydney.edu.au/search/name/Lyneene%20Orsini/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS0016_25-SB2_CA_1#subjects)

Liverpool

On-site

Subject Contact Lyneene Orsini ([https://directory.westernsydney.edu.au/search/name/Lyneene Orsini/](https://directory.westernsydney.edu.au/search/name/Lyneene%20Orsini/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS0016_25-SB2_LP_1#subjects)