

# NATS 1009 HUMAN ANATOMY AND PHYSIOLOGY

## 1

**Credit Points** 10

**Legacy Code** 400868

**Coordinator** Garry Niedermayer (<https://directory.westernsydney.edu.au/search/name/Garry.Niedermayer/>)

**Description** This is the first of two subjects covering systematic anatomy and physiology at an introductory level. This subject is designed to provide students in medical science and applied health science programs with an overview of body systems and their functions to ensure a suitable basis for their future studies. The subject studies the basic concepts of biochemistry and histology, general anatomy and physiology of the major body systems including the central and peripheral nervous systems, integumentary system, musculoskeletal system (bones, muscles and joints), special senses and endocrine system. Emphasis will be placed on the interconnection and relationship between structure and function at every level of organisation.

**School** Science

**Discipline** Medical Science

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

**Equivalent Subjects** BIOS 1033

**Restrictions**

No restrictions

## Learning Outcomes

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

1. Identify, describe and explain the basic form and function of specific anatomical structures
2. Identify, describe and explain the physiological processes of major body systems
3. Describe and explain the interrelationships within and between anatomical and physiological systems of the human body
4. Describe and explain how body systems help to maintain a constant internal environment

## Subject Content

- The special Senses
- The Muscular system
- The Skeletal system
- Chemical and Cellular organisation of The human body
- Welcome to HAP1
- The Nervous system
- The Integumentary system, Tissues and Histology
- The Endocrine system
- Preparing for anatomical examinations

## 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	Mandatory Task
Quiz	30 minutes	10	N	Individual	N
Practical	1 hour	25	N	Individual	N
Exam					
Practical	1 hour	25	N	Individual	N
Exam					
Final Exam	2 hours	40	N	Individual	N

### Prescribed Texts

- Amerman EC. (2016) Human Anatomy and Physiology (global edition). Pearson Education Ltd

### Teaching Periods

## Autumn (2025)

### Campbelltown

#### On-site

**Subject Contact** Garry Niedermayer (<https://directory.westernsydney.edu.au/search/name/Garry.Niedermayer/>)

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NATS1009\\_25-AUT\\_CA\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS1009_25-AUT_CA_1#subjects))

### Parramatta - Victoria Rd

#### On-site

**Subject Contact** Garry Niedermayer (<https://directory.westernsydney.edu.au/search/name/Garry.Niedermayer/>)

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NATS1009\\_25-AUT\\_PS\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS1009_25-AUT_PS_1#subjects))