

NATS 1030 HUMAN ANATOMY AND PHYSIOLOGY 2 (WSTC)

Credit Points 10

Coordinator Janice Petherick (<https://directory.westernsydney.edu.au/search/name/Janice.Petherick/>)

Description Human Anatomy and Physiology 2 systematically covers anatomy and physiology at an introductory level. This subject is designed to provide students, especially those in clinical 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 structure and function of the major body systems such as cardiovascular, respiratory, digestive, urinary, reproductive and lymphatic. This subject also explores the physiological processes involved in the immune response, cell metabolism, regulation of body fluids and acid-base balance. Emphasis is 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/) page.

Level Undergraduate Level 1 subject

Equivalent Subjects NATS 1001

NATS 1002
NATS 1010

Incompatible Subjects BIOS 1024

BIOS 1018
NATS 1013
NATS 1015
NATS 1017
BIOS 1025
NATS 1012

Restrictions

Students must be enrolled at The College in the courses:

6042 Diploma in Science/Bachelor of Medical Science
6043 Diploma in Science/Bachelor of Science
7120 Diploma in Science Extended – Medical Science
7122 Diploma in Science Extended - Science
7084 Diploma in Science – exit

Students enrolled in Extended courses must have passed 40 CPs of preparatory units before enrolling in this unit.

Students enrolled in Integrated courses must have passed or be enrolled in the preparatory units before enrolling in this unit.

Assumed Knowledge

Basic biological / anatomical / physiological principles, as would be acquired in Human Anatomy and Physiology 1

Learning Outcomes

Identify, describe and explain basic form and function of specific anatomical structures.

Identify, describe and explain the physiological processes of major body systems.

Describe and explain the interrelationships within and between anatomical and physiological systems of the human body.

Describe and explain how body systems help to maintain a constant internal environment.

Subject Content

- Introductory anatomy and physiology of the following body systems:
- Cardiovascular system
- Respiratory system
- Digestive system
- Urinary system
- Reproductive system
- Lymphatic system and immunity
- Body fluids, acid-base balance, metabolism

Special Requirements

Essential equipment

Lab coat

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	Up to 40 mins	20	N	Individual	N
Intra-session Exam	Up to 90 mins	20	N	Individual	N
Practical Exam	90-100 mins	25	N	Individual	N
End-of-session Exam	2 hrs	35	N	Individual	N

Autumn Blocks

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
Practical	a) 60 minutes b) 90 minutes	40	N	Individual	N
Portfolio	1000 words or equivalent completed in class	40	N	Individual	N
Quiz	90 minutes	20	N	Individual	N

Spring Blocks

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
Practical	a) 60 minutes b) 90 minutes	40	N	Individual	N
Portfolio	1000 words or equivalent completed in class	40	N	Individual	N
Quiz	90 minutes	20	N	Individual	N

Prescribed Texts

Amerman, E.C., (2016) Human Anatomy and Physiology. Global Edition. Pearson Education Ltd

Teaching Periods

Spring Block 4 (2025)

Campbelltown

On-site

Subject Contact Janice Petherick (<https://directory.westernsydney.edu.au/search/name/Janice.Petherick/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS1030_25-SB4_CA_1#subjects)

Term 3 (2025)

Campbelltown

Hybrid

Subject Contact Janice Petherick (<https://directory.westernsydney.edu.au/search/name/Janice.Petherick/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS1030_25-T3_CA_3#subjects)