

# NATS 1030 HUMAN ANATOMY AND PHYSIOLOGY 2 (WSTC)

## Credit Points 10

**Coordinator** Anne Bertoldo ([https://directory.westernsydney.edu.au/search/name/Anne Bertoldo/](https://directory.westernsydney.edu.au/search/name/Anne%20Bertoldo/))

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

Prescribed Texts

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

Teaching Periods

## Term 3 (2024)

### Nirimba Education Precinct

#### On-site

**Subject Contact** Anne Bertoldo ([https://directory.westernsydney.edu.au/search/name/Anne Bertoldo/](https://directory.westernsydney.edu.au/search/name/Anne%20Bertoldo/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=NATS1030\\_24-T3\\_BL\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS1030_24-T3_BL_1#subjects))