

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/](https://directory.westernsydney.edu.au/search/name/Garry%20Niedermayer/))

Description This is the first of two units covering systematic anatomy and physiology at an introductory level. This unit is designed to provide students in applied health science programs with an overview of body systems and their functions to ensure a suitable basis for their future studies. The unit 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

Student Contribution Band HECS Band 2 10cp

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

Level Undergraduate Level 1 subject

Equivalent Subjects BIOS 1033 Concepts in Human Physiology

Restrictions

Students must be enrolled in 3733 Bachelor of Medical Science (Forensic Mortuary Practice), 4656 Bachelor of Health Science, 4658 Bachelor of Health Science (Sport and Exercise Science), 4660 Bachelor of Health Science/Master of Traditional Chinese Medicine, 4661 Bachelor of Health Science/Master of Podiatric Medicine, 4662 Bachelor of Health Science/Master of Physiotherapy, 4663 Bachelor of Health Science/Master of Occupational Therapy, 4666 Bachelor of Health Science (Honours)/Master of Podiatric Medicine, 4668 Bachelor of Health Science (Honours)/Master of Physiotherapy, 4669 Bachelor of Health Science (Paramedicine), 4706 Bachelor of Physiotherapy, 4707 Bachelor of Physiotherapy (Honours), 4708 Bachelor of Podiatric Medicine, 4709 Bachelor of Podiatric Medicine (Honours), 4710 Bachelor of Traditional Chinese Medicine, 4711 Bachelor of Occupational Therapy, 4712 Bachelor of Occupational Therapy (Honours), 4763 Bachelor of Speech Pathology and 4764 Bachelor of Speech Pathology (Honours), 6000 Diploma in Health Science/Bachelor of Health Science.

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.

Item	Length	Percent	Threshold	Individual/ Group Task
Online Quizzes x 2 (5% each)	30 mins	10	N	Individual
Spot test 1	1 hour	20	N	Individual
Spot test 2	1 hour	20	N	Individual
Online MCQ in the allocated final exam time slot	2 hours	50	N	Individual

Prescribed Texts

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

Teaching Periods

Autumn Campbelltown

Day

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

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS1009_22-AUT_CA_D#subjects)