NATS 1029 HUMAN ANATOMY AND PHYSIOLOGY 1 (WSTC)

Credit Points 10

Coordinator Anne Bertoldo (https://directory.westernsydney.edu.au/search/name/Anne Bertoldo/)

Description This is the first of two subjects covering systematic anatomy and physiology at an introductory level. This subjectis 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 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 HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 1 subject

Equivalent Subjects NATS 1009
NATS 1021
BIOS 1033

Incompatible Subjects BIOS 1024
BIOS 1018
NATS 1015
NATS 1012
NATS 1017

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.

Learning Outcomes

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

Introductory anatomy and physiology of the following body systems:
- Musculoskeletal system (bones, muscles and joints)
- Integumentary system
- Central and peripheral nervous system
- Autonomic nervous system
- Special senses
- Endocrine system
Basic concepts of biological chemistry
Cellular & tissue organisation of the body

Special Requirements

Essential equipment

Closed footwear and lab coats for practical sessions.

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

Prescribed Texts

Marieb, E.N. & Hoehn, K. (2013). Human Anatomy and Physiology (9th ed). San Francisco: Benjamin Cummings/Pearson.

Teaching Periods

Term 3 (2022)
Nirimba Education Precinct
Day
Subject Contact Anne Bertoldo (https://directory.westernsydney.edu.au/search/name/Anne Bertoldo/)

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS1029_22-T3_BL_D#subjects)

Term 1 (2023)
Nirimba Education Precinct
On-site
Subject Contact Anne Bertoldo (https://directory.westernsydney.edu.au/search/name/Anne Bertoldo/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS1029_23-T1_BL_1#subjects)

Term 3 (2023)
Nirimba Education Precinct
On-site
Subject Contact Anne Bertoldo (https://directory.westernsydney.edu.au/search/name/Anne Bertoldo/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS1029_23-T3_BL_1#subjects)

Term 3 (2023)
Nirimba Education Precinct
On-site
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