

NATS 1002 CONCEPTS IN HUMAN ANATOMY (WSTC)

Credit Points 10

Legacy Code 700266

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Description This subject provides a basic understanding of human embryological development, anatomical terminology, and a range of foundation concepts in human anatomy. Students must attend a 'wet' laboratory session where the learning of anatomy will be enhanced through the study of human cadaveric material. Wet laboratory sessions are not available on the Nirimba campus, and therefore students will need to travel to Campbelltown in order to attend these sessions.

School 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 - Concepts in Human Anatomy

Restrictions Students must be enrolled at Western Sydney University The College. Students enrolled in Science Extended Diploma programs 7086 or 7087 must have passed 40 credit points. Students enrolled in the combined Diploma/Bachelor programs listed below must pass all College Preparatory subjects listed in the program structure before progressing to the Year 2 subjects.

Assumed Knowledge

HSC Biology, and/or at least one first year level biology subject: Biodiversity and/or Cell Biology.

Learning Outcomes

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

1. Use anatomical terminology correctly.
2. Describe the process of human development from fertilisation to organogenesis.
3. Describe the major structural levels of organisation in the human body.
4. Describe the general features of the major tissue types and explain their relationship with major structural levels of organisation.
5. Describe and apply the basic principles of osteology: bone formation and repair, classifications and functions, names of major bones.
6. Describe and apply the basic principles of arthrology: functional and structural joint classifications.
7. Describe and apply the basic principles of myology: skeletal muscle classification and functions.
8. Identify and describe anatomy and main functions of the major body systems: cardiovascular; respiratory; gastrointestinal; reproductive; urinary; neurological.
9. Identify and describe the general features of the major tissue types and explain their relationship with major structural levels of organisation.
10. Describe and apply the basic principles of the integumentary and endocrine systems
11. Identify and describe the anatomy of the body cavities, the major organ body systems that occupy these cavities and the physical and functional relationships of these systems to one another

Subject Content

1. Anatomical terminology
2. Human development
3. Organisation of the human body
4. Overview of Human tissues
5. Osteology
6. Arthrology
7. Myology
8. Structure and function of the major organ systems

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/ Mandatory Group Task |
|-------------------------------------|----------------------|--------------------------------|-----------|----------------------------------|
| Intra-session Exams(Online Quizzes) | 30 mins each | 25 | N | Individual |
| Intra-session Exam | 1 hr | 20 | N | Individual |
| 3a Practical 3b Participation | 3a.1 hr 2 x 3 hrs | 3b. 3a. 20%, 3b. 5% = 25 | N | Individual |
| End of Session Exam | 2 hrs | 30 | N | Individual |

Prescribed Texts

- Amerman EC 2016, Human Anatomy and Physiology, Pearson Education Ltd, UK