NATS 2005 APPENDICULAR SKELETON

Credit Points 10

Legacy Code 300898

Coordinator Manisha Dayal (https://directory.westernsydney.edu.au/search/name/Manisha Dayal/)

Description This musculoskeletal unit builds on the basic anatomy taught during the first year, offering a regional study of the human upper and lower limbs, including their respective girdles. Emphasis is placed on the identification and description of the structures, including the correlation of structure and function. Cadaveric specimens are used to aid the learning of these regions and their three-dimensional aspect, including the anatomical variation found in these regions.

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 2 subject

Pre-requisite(s) NATS 1013 OR
NATS 1001

Equivalent Subjects NATS 2029 - The Appendicular Skeleton LGYA 5937 - The Appendicular Skeleton

Incompatible Subjects BIOS 1015 - Functional Anatomy

Restrictions Students must be enrolled in 3673 Bachelor of Medical Science, 3682 Bachelor of Medical Science (Advanced), 3733 Bachelor of Medical Science (Forensic Mortuary Practice) or 6002 Diploma in Science/Bachelor of Medical Science. Students must also have a laboratory coat in this subject.

Learning Outcomes

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

1. Recognise anatomical structures on cadaveric material, models and other graphic resources to understand the structure of the upper and lower limbs.
2. Explain the functional anatomy of the upper & lower limbs, including their girdles.
3. Discuss the embryological development of the early & final stages of the upper & lower limbs, the process of rotation and the consequences there of.
4. Describe and identify common abnormalities in both the upper & lower limbs as a result of developmental anomalies.
5. Recognize the range of normal anatomical variation within the upper & lower limbs including identification on cadaveric material.

Subject Content

1. Bones of the upper & lower limbs
2. Brachial, lumbar & sacral plexuses
3. Muscles of the shoulder region, arm, forearm & hand
4. Muscles of the gluteal region, thigh, leg & foot
5. Innervations of the upper & lower limbs
6. Vasculature of the upper & lower limbs
7. Embryological development of the upper & lower limbs
8. Surface anatomy of the upper & lower limbs

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
Anatomy Induction Module	Up to 30 minutes	0	Y	Individual
Written Assignment	Up to 1000 words`	20	N	Individual
Intra-Semester Test 1	1 hour	20	N	Individual
Intra-Semester Test 2	1 hour	20	N	Individual
Final Exam	2 hours	40	N	Individual

Prescribed Texts

- Moore, K. L., Dalley, A. F., & Agur, A. M. R. (2014). Clinically oriented anatomy (7th ed.). Philadelphia, PA: Wolters Kluwer.
- Hansen JT (2014). Netter﷯fs Anatomy coloring book (2nd ed.). Philadelphia: Elsevier

Teaching Periods