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University of
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FUNCTIONAL ANATOMY AND BIOMECHANICS - SS345

Looking for a different module?

Location	Term	Level 1 (#info)	Credits (ECTS) 2 (#info)	Current Convener 3 (#info)	2021 to 2022
Canterbury	Autumn and Spring	4	30 (15)		☑

Overview

Students will cover the biomechanics of movement, movement patterns of the lower limb, upper limb and trunk; bones and surface markings of the lower limb, upper limb and spine; joints of the lower limb, upper limb and spine; muscles (origin, insertion and actions) of the lower limb, upper limb and trunk; soft tissue structures of the lower limb, upper limb and trunk; and nerves of the lower limb, upper limb and trunk.

Details

Contact hours

Total contact hours: 60
Private study hours: 240
Total study hours: 300

Method of assessment

In-class Test 90 minutes (autumn term) – 20%
Exam – 2 hours (summer) - 80%

Indicative reading

- Beil, A. (2005) Trail Guide to the Body. (3rd Ed) Canada. Books of Discovery.
- Nordin, M. & Frankel, V. (2001) Basic Biomechanics of the Musculoskeletal System. Philadelphia. Lippincott, Williams & Wilkins.
- Palastanga, N. Field, D. Soames, R. (2006) Anatomy and Human Movement. Structure and Function (5th Ed) London. Butterworth Heinemann.
- Stone, R. & Stone, J. (2005) Atlas of the Skeletal Muscles. 5th Ed. Boston. McGraw-Hill.
- Tank, P.W., Gest, T.R. (2009) Atlas of Anatomy Lippincott, Williams & Wilkins.

[See the library reading list for this module \(Medway\)](#)

<https://medway.rl.talis.com/modules/ss345.html>

Learning outcomes

The intended subject specific learning outcomes.

On successfully completing the module students will be able to:

1. Describe the structure and function of the major bones, joints, muscles and soft tissue structures of the lower limb, upper limb and trunk.
2. Describe the basic movements of the body.
3. Explain the basic biomechanical concepts of human movement.

The intended generic learning outcomes.

On successfully completing the module students will be able to:

1. Demonstrate numeric skills
2. Demonstrate Information technology skills
3. Demonstrate the ability to plan and manage learning

Notes

1. **Credit level 4.** Certificate level module usually taken in the first stage of an undergraduate degree.
2. **ECTS credits** are recognised throughout the EU and allow you to transfer credit easily from one university to another.
3. **The named convenor** is the convenor for the current academic session.

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