

# Course Outline (Higher Education)

<b>School:</b>	School of Health and Life Sciences
<b>Course Title:</b>	SUPPORT AND MOVEMENT
<b>Course ID:</b>	BIOGC2731
<b>Credit Points:</b>	15.00
<b>Prerequisite(s):</b>	(BIOGC1711)
<b>Co-requisite(s):</b>	Nil
<b>Exclusion(s):</b>	Nil
<b>ASCED:</b>	010913

## Description of the Course :

Support and movement will examine human and animal systems involved in body support and movement with emphasis on structure, function and physiological control mechanisms. The unit will consist of three themed sections: Musculoskeletal System, Nervous System, Cardiorespiratory structure and function. The unit will also explore interactions between systems in the maintenance of homeostasis. Laboratory and workshop classes are divided into two streams: the human/medical stream or the animal/veterinary stream; students select the stream appropriate to their study program and interests.

**Grade Scheme:** Graded (HD, D, C, etc.)

**Supplementary Assessment:** Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks..

## Learning Outcomes:

Upon completion of the unit the students will be able to:

1. Describe the structure of bone and identify the major bones and bone markings. Explain the relationships between the structure of joints to the functional characteristics of the joints. Relate bone markings to the functioning of the musculoskeletal system.
2. Explain the relationships between structure and function of skeletal muscle and outline the control of force production by skeletal muscle.
3. Outline the processing of information within the central nervous system.
4. Explain the concept of homeostasis and the principles of negative and positive feedback mechanisms, illustrated within the context of movement.
5. Describe the structure and function of the heart, blood and blood vessels, and how the perfusion of the body's tissues is maintained and regulated according to physiological need.
6. Explain how the respiratory system adapts to meet physiological demand;
7. Demonstrate an awareness of ethics, ethics approvals and the ethical treatment of humans and animals.
8. Develop skills in the measurement of physiological parameters and the collection, analysis,

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interpretation and communication of experimental data.

9. Communicate effectively via written, verbal and visual/graphic means.

## Course Content:

## Values and Graduate Attributes:

## Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
Quizzes	Quizzes	Quizzes	10%
Workshop assessment	Workshop assessment	Workshop assessment	30%
Examination	Examination	Examination	60%

## Adopted Reference Style: