

Liverpool John Moores University

Title: Biological Sciences
Status: Definitive
Code: **4004NAFDN** (125649)
Version Start Date: 01-08-2021

Owning School/Faculty: Nursing and Allied Health
Teaching School/Faculty: Nursing and Allied Health

Team	Leader
Donal Deehan	Y

Academic Level: FHEQ4
Credit Value: 20
Total Delivered Hours: 44
Total Learning Hours: 200
Private Study: 156

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	20
Online	5
Seminar	15
Tutorial	2

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Unseen	Exam two hours	100	2

Competency	Practice
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Aims

*To provide students with an overview of the systems of the human body with an emphasis on those elements which inform skills for practice.
To develop an overview of psychosocial concepts in relation to health, well-being and illness.*

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate knowledge of biopsychosocial factors influencing development, health and illness
- 2 Describe the basic structure of all major body systems and their functions in maintaining homeostasis
- 3 Outline the basic processes underlying the changes in structure and function of the body across the lifespan
- 4 Discuss the basic principles of pharmacology in relation to the mechanism of action of drugs used to treat a range of common disorders

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Unseen exam	1	4	3	2
Practice	1	4	3	2

Outline Syllabus

Basic processes underlying the changes in structure and function of the body across the lifecycle: Introduction to common illnesses from childhood to end of end of life. Terms and concepts relating to human structure and function.

Organisation of the Body

Psychological models of behaviour. Developmental psychology, abnormal psychology

Theories of Mental distress; Classification of Mental Disorder; Descriptive Psychopathology Social models of health

Basic principles of infection control

Pathophysiological mechanisms underlying a range of common Disorders:

Signs and symptoms, investigating and diagnosing illness

Basic Pharmacology and psychopharmacology in relation to the mechanism of action of drugs used to treat a range of common disorders:

Concepts and terms in pharmacology and pathophysiology;

Causes and effects of illness

Learning Activities

The module is primarily lecture-based but students will also engage in a range of other activities including small group tutorials, on line learning and presentations. There will also be a number of diagnostic and formative problem solving exercises and quizzes using Canvas.

Notes

This module provides an overview of the normal function of all body systems and their role in the maintenance of health. It also introduces the concepts of altered function and the biopsychosocial factors that can lead to ill health. Students will be expected to study independently using directed materials from the module content.