

Liverpool John Moores University

Title: Applied Biological Sciences
Status: Definitive
Code: **5004NAFDN** (125654)
Version Start Date: 01-08-2021

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

Team	Leader
Dan Cooper	Y
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Academic Level: FHEQ5 **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	10
Seminar	10
Tutorial	2

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Seen exam	Written exam	100	2

Competency	Practice
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Aims

To explore the biopsychosocial factors impacting upon acute and chronic conditions throughout the life span.

To provide an enhanced knowledge of the pathophysiological basis of a range of

acute and long term disorders

Learning Outcomes

After completing the module the student should be able to:

- 1 Explain the pathophysiological mechanisms underlying the signs & symptoms and care & management of a range of acute and long-term conditions.
- 2 Analyse a range of biopsychosocial factors that impact on acute and chronic disease development and outcome
- 3 Examine current trends in epidemiology
- 4 Apply knowledge of pharmacology, and infection control to the management of acute and long term conditions.

Learning Outcomes of Assessments

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

Seen paper	1	2	3	4
Practice	1	2	3	4

Outline Syllabus

Parity of Esteem and the relationship between physical/mental health problems and mental well-being

Psychological and psychosocial factors in acute and long-term illness

Disorders of the following systems:

Cardio-pulmonary

Respiratory

Gastro-intestinal

Renal

Musculoskeletal

Endocrine

Genito-urinary

Child & adolescent mental health

Co-morbidity, physiological and psychological vulnerability across the lifespan

(epidemiology) applied to health, ill health, disability, ageing and death relating to a

range of bodily systems, Drug and Alcohol misuse in relation to long term conditions

Pharmacology, poly-pharmacy, psychopharmacology

Learning Activities

The module is primarily lecture-based but Students will also engage in a number of small-group activities including tutorials, presentations, and directed study. Extensive use will be made of CANVAS including links to organisations and patient support groups for specific conditions

Notes

This module will give the Student an increased knowledge of the complex nature of acute and long term conditions and their management throughout the lifespan. The content will reflect epidemiological data, relevant national strategies and guidelines. Students will be expected to study independently using directed materials from the module content.