

Liverpool John Moores University

Title: HUMAN SCIENCES FOR HEALTH AND WELL BEING
Status: Definitive
Code: **4003BACFP** (111709)
Version Start Date: 01-08-2014

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

Team	Leader
Donal Deehan	Y

Academic Level: FHEQ4
Credit Value: 24.00
Total Delivered Hours: 52.00
Total Learning Hours: 240
Private Study: 188

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	40.000
Seminar	10.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination: Short answers. 2 Hours	50.0	2.00
Essay	AS2	Coursework - 2,500 word, patient-focused study	50.0	

Aims

The module 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 and allow them 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 Describe the basic structure of all major body systems and their functions in maintaining homeostasis
- 2 Outline the basic processes underlying the changes in structure and function of the body across the whole of the lifecycle from pre-natal to old age
- 3 Demonstrate knowledge of biopsychosociological factors influencing development and health and illness
- 4 Describe the basic principles of microbiology and infection control
- 5 Describe the pathophysiological mechanisms underlying a range of common disorders affecting a variety of body systems
- 6 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:

EXAM	1	2	4	5	6
essay	3	5	6		

Outline Syllabus

Terms and concepts relating to human structure and function. Organisation of the body. Basic chemistry. From molecules to cells to homeostasis. Concepts and terms in pharmacology and pathophysiology; Causes and effects of illness. Signs and symptoms. Investigating and diagnosing illness
Principles of Microbiology and Infection Control.
Inflammation and Body defenses.
Introduction to cardio-vascular system; MI; LVF; Stroke; Shock
Introduction to Respiratory system; Acute Respiratory Disorders/infections; Asthma (Acute)
Introduction to Neurological System; Introduction to Pain
Introduction to Urinary System; Fluid and Electrolyte Balance; Acute Renal Failure
Introduction to Digestive System
Introduction to the Endocrine System; Diabetes Mellitus (Type 1 and 2)
Introduction to the Reproductive System
Introduction to Blood; Anaemia
Introduction to Skin; Temperature Regulation
Introduction to Musculoskeletal System
Developmental A&P; Pre-Natal influences on health
Growth, development and ageing
Sexual Health
Psychological models of behaviour. Developmental psychology, abnormal psychology
Theories of Mental distress; Classification of Mental Disorder; Descriptive Psychopathology

Social models of health

Basic Pharmacology and psychopharmacology; Introduction to side effects of Medication, polypharmacy, iatrogenesis

Introduction to substance abuse; Pharmacology of substance abuse and altered consciousness; effects of psychoactive substances

Learning Activities

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

References

Course Material	Book
Author	Gould, D. Brooker, C
Publishing Year	2000
Title	Applied Microbiology For Nurses
Subtitle	
Edition	
Publisher	MacMillan Press
ISBN	

Course Material	Book
Author	Green, R. Harris, N
Publishing Year	2000
Title	Pathology and Therapeutics for Pharmacists
Subtitle	A Basis for Clinical Pharmacy Practice
Edition	2nd ed
Publisher	Pharmaceutical Press
ISBN	

Course Material	Book
Author	Hayes, N
Publishing Year	2002
Title	Psychology in Perspective
Subtitle	
Edition	
Publisher	Palgrave
ISBN	

Course Material	Book
Author	Montague, S. Watson, R. Herbert, r
Publishing Year	2005
Title	Physiology For Nursing Practice
Subtitle	

Edition	3rd ed
Publisher	Elsevier
ISBN	

Course Material	Book
Author	Martini, F
Publishing Year	2004
Title	Fundamentals of Anatomy and Physiology
Subtitle	
Edition	6th ed
Publisher	Benjamin Cummings
ISBN	

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 biological, psychological and social factors that can lead to ill health