Liverpool John Moores University

Title:	APPLIED SCIENCES UNDERPINNING PRACTICE 2	
Status:	Definitive	
Code:	4504BNCNUR (107593)	
Version Start Date:	01-08-2014	
Owning School/Faculty: Teaching School/Faculty:	Nursing and Allied Health KPJ International College of Nursing and Health Sc	

Team	emplid	Leader
Sean Mackay		

Academic Level:	FHEQ4	Credit Value:	10.00	Total Delivered Hours:	36.00
Total Learning Hours:	100	Private Study:	64		

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	24.000
Tutorial	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Coursework - 2,500 word, patient-focused study	100.0	

Competency	Practice
------------	----------

Aims

To further develop knowledge of normal human structure and function and introduce knowledge of a range of common diseases and their care and management.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the patho-physiological mechanisms involved in the acute manifestations of a range of common disorders affecting the nervous, endocrine, cardio-vascular and respiratory systems.
- 2 Describe the relevant investigations and therapeutic interventions required for a range of common disorders affecting the nervous, endocrine, cardiovascular and respiratory systems
- 3 Discuss the basic principles of pharmacology.

Learning Outcomes of Assessments

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

3

patient focused study 1 2

Practice

Outline Syllabus

Causes and effects of illness. Genetics / Environmental Continuum. Signs and symptoms. Investigating and diagnosing illness. Review anatomy and physiology of the Cardiovascular and Respiratory systems. Acute disorders of Cardio-vascular and Respiratory systems: MI, LVF (pulmonary oedema). Acute respiratory infections. Asthma (acute episode) Pharmacological management of these disorders. Anatomy and physiology of the Neuro-endocrine systems, Type 1 and type 2 Diabetes Mellitus. Stroke. (Brain attack).Introduction to pain (Acute). Chronic stress. Psychoimmunology. Basic principles of pharmacology. Drug sources. Pharmacokinetics. Pharmacodynamics. Calculations. Side effects. Effects of substance abuse.

Learning Activities

Lectures; Group work; Formative Quiz; Diagnostic and formative testing using Blackboard based learning activities, including assessment of knowledge of pharmacology -. Development of English Language skills: listening, reading, writing and speaking

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	
Edition	2nd
Publisher	Pharmaceutical Press
ISBN	

Course Material	Book
Author	Porth, CM
Publishing Year	2004
Title	Pathophysiology
Subtitle	Concepts of Altered Health States
Edition	7th
Publisher	Lippincott
ISBN	

Notes

The module aims to give students the underpinning knowledge identified in the QAA Benchmark statements for nursing, to enable them to effectively care for a range of important conditions identified from:

National epidemiological data National guidelines

Learning Outcome three is tested formatively The module leader at JB campus is YAP YET PING