

Module Title Sciences For Advancing Adult Nursing Keywords Pathophysiology and psychopathology; Pharmacology.	Reference NU3882 SCQF LevelSCQF 9 SCQF Points 15 ECTS Points 7.5 Created March 2015 Approved June 2015 Amended August 2016 Version No. 2
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This Version is No Longer Current

The latest version of this module is available [here](#)

Prerequisites for Module

Successful completion of Stage 2 or equivalent.

Corequisite Modules

None.

Precluded Modules

None.

Aims of Module

To facilitate the student's application of sciences to meet the essential and complex physical and mental healthcare needs of the adult.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

Indicative Student Workload

<i>Contact Hours</i>	Full Time
Lectures, tutorials, online learning.	40

<i>Directed Study</i>	
Online learning activities, directed reading.	50

<i>Private Study</i>	60
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Mode of Delivery

Lectures, tutorials, online learning.

Assessment Plan

	Learning Outcomes Assessed
Component 1	1,2,3,4

1. Critically explore the key pathophysiological processes related to complex physical and mental health conditions of the adult.
2. Discuss the pathophysiology of clinical features related to complex physical and mental health conditions of the adult.
3. Discuss the scientific basis for a range of investigative procedures related to complex physical and mental health conditions of the adult.
4. Critically discuss a range of pharmacological interventions in relation to complex physical and mental health conditions of the adult

Indicative Module Content

Pathophysiological processes in selected complex physical and mental health problems;
 Pharmacology, Polypharmacy,
 Pharmacokinetics,
 Pharmacodynamics;
 Haemodynamics.

Written Examination.

Indicative Bibliography

1. DOWNIE, G., MACKENZIE, J. and WILLIAMS, A., 2008. *Pharmacology and medicines management for nurses*. 4th ed. Edinburgh: Churchill Livingstone.
2. PEATE, I. and NAIR, M., 2011. *Fundamentals of anatomy and physiology for student nurses*. Oxford: Wiley-Blackwell.
3. PEATE, I. and NAIR, M., 2013. *Fundamentals of applied pathophysiology: an essential guide for nursing & healthcare students*. Oxford: Wiley-Blackwell.
4. UPTON, D., 2010. *Introducing psychology for nurses and healthcare professionals*. Harlow: Pearson Education Ltd.