MODULE DESCRIPTOR

Module Title

Sciences 1

Reference	NU1303	Version	1
Created	November 2019	SCQF Level	SCQF 7
Approved	June 2020	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To facilitate the student to develop an understanding of the sciences in relation to all fields of nursing across the lifespan.

Learning Outcomes for Module

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

1	Describe anatomy, physiology and homeostatic mechanisms of human development from conception to old age.
2	Demonstrate knowledge of pathophysiological and psychopathological processes.
3	Demonstrate knowledge of the key psychosocial sciences across the lifespan.
4	Outline the general principles of drug action.
5	Explain microbiology in relation to infection prevention and control.

Indicative Module Content

Anatomy, physiology, pathology, pathophysiology, psychopathology, biochemistry, embryology, genetics, cell biology growth and development, homeostasis, microbiology, parasitology. Pharmacology, pharmacokinetics and pharmacodynamics. Social structures, social systems, social class - identity, family structures, diversity. Social Functions - norms and values, social capital, power control and conflict. Psychological and psychiatric perspectives - psychodynamic, behavioural, cognitive, evolutionary, humanistic; ontology; aspects of the mind and behaviour; psychological development across the lifespan; contemporary debates e.g. nature v nurture.

Module Delivery

Blended learning approach including: Lectures, tutorials and online learning. Design and delivery of indicative content will include key, contemporary, field specific information in relation to the content and skill/ procedures identified

Indicative Student Workload

Indicative Student Workload	Full Time	Part Time
Contact Hours	80	N/A
Non-Contact Hours	220	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Examination	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	Computer Assisted Assessment				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

Computer assisted assessment - mix of multiple choice and free text answers.

Module Grade	Minimum Requirements to achieve Module Grade:
A	C1=A
B	C1=B
C	C1=C
D	C1=D
E	C1=E
F	C1=F
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None in addition to course entry requirements or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1 BECKETT, C. and TAYLOR, H., 2010. *Human growth and development.* 2nd ed. London: Sage.

2 CLARKE, A., 2010. *The sociology of healthcare.* 2nd ed. Essex: Pearson.

3 MCGAVOCK, H., 2016. *How drugs work: basic pharmacology for healthcare professionals.* 4th ed. London: Taylor Francis Group.

4 NHS HEALTH EDUCATION ENGLAND (NHS HEE), 2017. *HEE Genomics Education Programme.* [online]. Birmingham: NHS HEE. Available from: https://www.genomicseducation.hee.nhs.uk/ [Accessed 11 August 2021].

5 NURSING AND MIDWIFERY COUNCIL (NMC), 2018. *Future Nurse: Standards of Proficiency for registered nurses.* London: NMC.

6 UPTON, D., 2013. *Introducing psychology for nurses and healthcare professionals.* 2nd ed. Hoboken : Taylor and Francis.

7 WELSH, C.J., 2021. *Hole's essentials of human anatomy & physiology.* 14th ed. New York: McGraw Hill.