

Module Specification

Module Summary Information

1	Module Title	Introduction to Bioscience
2	Module Credits	20
3	Module Level	4
4	Module Code	PAR4017

5	Module Overview
<p>A working knowledge and understanding of bioscience at the beginning of the programme is essential in providing the basis for future learning in clinical practice and providing holistic, patient centred care. The module will provide you with this essential knowledge and will encourage you to explore and develop your understanding. It will enable you to better apply clinical theory to your practice and to develop your skills as a practitioner.</p> <p>This module will provide opportunities for shared and inter-professional learning so will allow you to start to gain a greater understanding of other disciplines within the health care sector. This inter-professional learning will continue throughout your programme in many other ways and across other modules. The module will provide you with a solid foundation in the areas of anatomy, physiology, pharmacology and scientific principles which will underpin your future career or further study.</p> <p>Theory and practice will be linked throughout by use of clinical examples to impart the significance and relevance of the topics covered. The module will start with the basic fundamentals of organic chemistry through to exploring the physiological and scientific principles of organ systems. Additionally, the module will enable you to explore the principles of pharmacology which will provide a solid basis for more detailed pharmacological exploration during the Applied Biosciences module you will undertake at level 5.</p> <p>The Introduction to Bioscience module will have its own Moodle page which you will have access to. This page will contain resources that are specific to the module such as lecture notes; supporting materials; assessment details and important notices. Accessing this site regularly as part of your learning will allow you to undertake weekly preparatory activities for each session followed by other activities such as short quizzes to consolidate the theory and help with your learning.</p>	

6	Indicative Content
	Module Launch and Principles of Biochemistry Cells and Tissues Homeostasis and fluid balance Nervous System I Nervous System II Cardiovascular System I Cardiovascular System II Respiratory System Renal System Summative Assessment 1 Musculoskeletal System Mid-Module Evaluation Gastro-Intestinal System Liver, Pancreas and Gall bladder Microbiology Skin Endocrine System Immunology Pharmacology Summative Assessment 2 Introduction to Genetics Consolidation / Revision Summative Assessment 3

7	Module Learning Outcomes
	On successful completion of the module, students will be able to:
	1 Identify the structure and function of human physiological systems.
	2 Explain the interrelationships between organ systems and how this impacts on homeostasis.
	3 Explain the principles of pharmacokinetics and pharmacodynamics.

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1-3		X	

9 Breakdown Learning and Teaching Activities	
Learning Activities	Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	40
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	60
Private Study (PS) includes preparation for exams	100
Total Study Hours:	200