

Module Specification

Module Summary Information

1	Module Title	Pathophysiology
2	Module Credits	20
3	Module Level	6
4	Module Code	BMS6006

5	Module Overview
<p>This module aims to look at the conditions that are known to be the main cause of morbidity and mortality nationally and globally according to the Office of National Statistics and the World Health organisation. It is important that individuals are able to recognise key symptoms of the condition and the underpinning physiology accounting for these changes. They should also be able to identify key literature about the incidence, treatment and prevention of the disease from the literature.</p> <p>Aligns with the Programme Philosophy and Aims:</p> <p>In this module, you will learn about conditions that are the main concerns for human health globally and the effect on the individual's quality of life. You will also be able to look at health conditions that interest you and affect individuals across the lifespan. The module will allow you to focus on areas of particular interest to you and you will work in groups (action learning sets) with your peers to develop your research, literature, group work, presentation and written skills. You will also develop an individual electronic poster A2 sized that is similar to posters developed to present at conferences. This will allow you to develop important transferrable skills important for employment and to ensure that you can articulate a sound understanding of the biomedical sciences.</p> <p>Learning and Teaching Strategy:</p> <p>The module will be delivered by a series of key session introducing the topic and stretching your current physiological knowledge. You will then work in your action leaning sets to work on a condition of your choice within this topic area. You will then deliver information about this condition to your peers and widen the topics covered in detail through peer teaching. This will help you each week to develop skills such as (research, prioritising relevant knowledge, presenting information in a variety of ways, explaining symptoms, referencing) those required for your final individual poster assessment.</p> <p>To achieve the required 20 credits for this module, you will need to dedicate at least 200 hours studying the module material. For this module, the time is broken down in an approximately 25:75 ratio (directed: self-directed). The scheduled learning activities will include lectures, tutorials, practical sessions and facilitated discussions; approximately 20% of this learning will take place in an online environment.</p> <p>Assessment Strategy:</p> <p>An electronic poster evaluating a disease condition of your choice from the topics presented. This should cover the key symptoms and explain at least one of these in detail. It should also consider a minimum of one treatment to resolve this symptom, and discuss long term outcomes. Key skills to be successful in this final assessment will be developed formatively throughout this module. Student should be able to present (10 minutes) and defend (5 minutes) their poster presentation in an individual presentation to staff.</p>	

6	Indicative Content
<p>Develop a detailed understanding of the aetiology, diagnosis, pathophysiology and treatment of a range of diseases.</p> <p>Diseases of the cardiovascular system including thrombosis, embolism and atherosclerosis, Ischaemic Heart Disease, Myocardial infarction, angina pectoris, hypertension.</p> <p>Autoimmune diseases including multiple sclerosis, rheumatoid arthritis, type 1 diabetes and myasthenia gravis.</p> <p>Pathophysiology of dementia and Alzheimer's disease, renal disease and liver disease.</p> <p>Reproductive system pathophysiology including male and female reproductive disorders, diagnosis and treatment of infertility, assisted reproductive technologies.</p> <p>The impact of activity, exercise and nutrition on diseases including obesity, type 2 diabetes and cancer.</p>	

7		Module Learning Outcomes
On successful completion of the module, students will be able to:		
	1	Apply relevant physiological knowledge to explain the symptoms of an altered state of health.
	2	Critically explore relevant evidence to explain in detail the changes seen in this altered state of health.
	3	Evaluate an intervention to help stabilise or treat the altered state of health.
	4	Assess long term outcomes associated with the altered state of health.

8				Module Assessment
Learning Outcome				
		Coursework	Exam	In-Person
1,2,3,4		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	50	
Private Study (PS) includes preparation for exams	110	
Total Study Hours:	200	