

MODULE SPECIFICATION

Module Title:	Clinical Medicine: Pathology of Disease	Level:	7	Credit Value:	20
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Module code:	BMS705	New <input checked="" type="checkbox"/>	Existing <input type="checkbox"/>	Code of module being replaced:	NA
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Cost Centre:	GANG	JACS3 code:	F165	HECos code:	100265
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Trimester(s) in which to be offered:	1,2,3	With effect from:	February 19
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Faculty:	Social and Life Sciences	Module Leader:	Dr Peter Ella-Tongwiis (BCUHB)
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Scheduled learning and teaching hours	21 hrs
Guided independent study	179 hrs
Placement	0 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered	Core	Option
MSc Biomedical Science	✓	
MRes Applied Clinical Research	✓	

Pre-requisites
NA

Office use only

Initial approval January 19

APSC approval of modification *Enter date of approval*

Have any derogations received SQC approval?

Version 1

Yes No ✓

Module Aims

The module aims to provide students with an in-depth knowledge of the pathology of selected organ systems, including the importance of diagnosis and management of human disease (clinical medicine).

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Critically explore various organ systems and their associated pathological disorders	KS1	KS3
		KS4	KS9
2	Demonstrate and interpret disease states and critically evaluate how they are managed	KS1	KS2
		KS4	KS3
		KS9	
3	Evaluate various laboratory investigations to aid in diagnosis and management of human disease	KS1	KS3
		KS6	KS10
4	Evidence critical awareness of contemporary professional issues and insight into the cultural, political and professional dimensions of leadership within biomedical and healthcare organisations.	KS1	KS2
		KS4	KS3
		KS8	KS9

Transferable skills and other attributes

- Enhanced understanding of the various organ systems, their disease states and management
- Critical analysis of relevant literature
- Research, investigative and problem-solving skills
- Leadership skills

Derogations

N/A

Assessment:

Indicative Assessment Tasks:

Learning outcomes assessment will be summative by means of written coursework and case study assignments. This written coursework is expected to be of high standard and well-researched with current peer reviewed references provided. This will evaluate various laboratory investigations to aid in diagnosis and management of human disease. It will also evidence critical awareness of contemporary professional issues and insight into the cultural, political and professional dimensions of leadership within biomedical and healthcare organisations.

Case studies will provide detailed analysis of cases, critically exploring the relevant organ systems and the pathological disorder under study, demonstrating and interpreting disease states and critically evaluating their management.

Reassessment

Any student who fails this module will be reassessed in the component they failed. This reassessment will be in the same format as the failed component and will assess the original learning outcomes in that component.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	3,4	Coursework	50%	N/A	2000
2	1,2	Case Study	50%	N/A	2000

Learning and Teaching Strategies:

Strategies used in this module will involve a blend of several Higher Education teaching and Learning methods. These will include lectures, seminars, tutorials, case studies and student-led presentations.

On-line learning will consist of blogs, learning diaries, contribution to fora, quizzes and weekly check-ins.

Several sources of information (e.g. Literary books, online literature, web sites) will also be available for students.

Syllabus outline:

- Neurological disease (e.g. Alzheimer's)
- Bone pathology (e.g. osteoporosis, pain management)
- Common disorders of the Ear, Nose and Throat (ENT)
- Cardiovascular disease
- Cellular and histopathology (cancer)
- Cervical and breast cancer
- Endocrine disorders (e.g. diabetes)
- Liver disease
- Renal disease & urology
- Respiratory disease
- Leading and supporting the team in context

Indicative Bibliography:

Essential reading

Kumar, P.J. & Clark, M.L.(2016) *Kumar and Clark's Clinical Medicine* (9th Edition) Saunders.

Longmore, M., Wilkinson, I., Baldwin, A. & Wallin, E. (2014) *Oxford Handbook of Clinical Medicine*. (9th Edition) Oxford University Press.

Walker, B. (2014) *Davidson's Principles and Practice of Medicine* (22nd Edition) Churchill Livingstone

The ADAM medical dictionary electronic resource NCBI.

Other indicative reading:

Nature Medicine,
 British Medical Journal,
 The Lancet,
 Trends in Immunology,
 Journal of Clinical Investigations.