

Course Outline (Higher Education)

School:	School of Health and Life Sciences
Course Title:	MEDICAL MICROBIOLOGY
Course ID:	BTHGC3722
Credit Points:	15.00
Prerequisite(s):	(MICGC2001 or MICGC2011 or SCMIC2001)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	010911

Description of the Course :

BTHGC3722 focuses on infectious diseases of the organ systems, summarising the aetiology, pathogenesis and laboratory identification of important pathogens. The epidemiology of infectious disease and strategies for disease control are highlighted. The mode of action of antimicrobial drugs, their role in treating infectious disease and the problems of drug resistance are discussed. Techniques for laboratory diagnosis of infectious disease, and safe handling of pathogens, are emphasised.

Grade Scheme: Graded (HD, D, C, etc.)

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks..

Program Level:

AQF Level of Program						
	5	6	7	8	9	10
Level						
Introductory	■	■	■	■	■	■
Intermediate	■	■	■	■	■	■
Advanced	■	■	✓	■	■	■

Learning Outcomes:

On completion of this unit students will be able to:

1. Explain how microbes cause disease, with particular emphasis on bacterial and viral pathogenicity;
2. Discuss the epidemiology of infectious disease;
3. Discuss the role of chemotherapy and the importance of drug resistance in the treatment of infectious disease;

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4. Describe the role of microorganisms in selected infectious diseases associated with the different organ systems;
5. Discuss relevant diagnostic techniques used in clinical microbiology laboratories;
6. Describe and perform techniques used in diagnostic serology;
7. Demonstrate competence in laboratory procedures for handling and processing microbiological specimens.

Course Content:

Values and Graduate Attributes:

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
Final written examination (3 hours)	Final written examination (3 hours)	Final written examination (3 hours)	60%
Assignment (2000 words)	Assignment (2000 words)	Assignment (2000 words)	10%
Laboratory work	Laboratory work (comprising performance: 10%, one full report: 5%, diagnostic lab worksheets and discussion: 7.5%, and project worksheets and discussion: 7.5%)	Laboratory work	30%

Adopted Reference Style: