



Module Definition Form (MDF)

Module code: MOD006297	Version: 2 Date Amended: 15/May/2024
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1. Module Title
Specialist Case Studies

2a. Module Leader
Ling Hwang

2b. School
School of Allied Health and Social Care

2c. Faculty
Faculty of Health, Medicine and Social Care

3a. Level
6

3b. Module Type
Standard (fine graded)

4a. Credits
15

4b. Study Hours
150

5. Restrictions			
Type	Module Code	Module Name	Condition
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:			

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

Integrate specialist subject knowledge from your chosen degree in the wider context of medical and pharmaceutical science. Employing a collaborative team-based learning methodology, you'll be strategically grouped. Ensuring diversity, your group will comprise students from various subject areas, fostering a rich exchange of subject-specific insights during the pivotal student-led discussions integral to the problem-based scenarios. Each group will be provided with a patient-based scenario and will work together to identify the most likely diagnosis and therapeutic agent to use as the most effective form of treatment. You'll take part in tutorials, workshops, practical and supporting lectures, creating a holistic learning environment centered around problem-solving.

6b. Outline Content

The following topics will form the basis for each clinical scenario:

- Critical evaluation of diagnostic results gained from mock patient samples
- Use of reference ranges to identify normal and abnormal results
- Analysis of medical history in the context of results from clinical disciplines in biomedical science (medical microbiology, clinical biochemistry, haematology, histology)
- Therapeutic drugs – antimicrobial agents, chemotherapeutic agents
- Drug toxicity, clinical dosages and therapeutic drug monitoring
- Plasma profiling
- Epidemiology of disease and infection
- Pharmacokinetics, pharmacodynamics
- Biopharmaceutical calculations
- Advances in medical science and pharmaceutical science – prevention and treatment

6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

6d. Specialist Learning Resources

Containment level 2 laboratory, Canvas.

7. Learning Outcomes (threshold standards)		
No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Demonstrate a critical knowledge and understanding of a specialist area of medical or pharmaceutical science through enquiry-based activities for a theoretical patient-based case study
2	Knowledge and Understanding	Demonstrate the ability to effectively manage and lead a team effectively through the presentation of documentation and self-reflection as chair of a team.
3	Intellectual, practical, affective and transferrable skills	Demonstrate the practical and professional skills required to solve problems through the critical analysis and evaluation of theoretical clinical data
4	Intellectual, practical, affective and transferrable skills	Be able to orally report and justify the agreed outcomes of a theoretical patient-based case study

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	8	1-4	1 h x 8 lectures
Other teacher managed learning	24	1-4	3 h x 2 practical 2 h x 8 workshop 1 h x 2 group tutorial
Student managed learning	118	1-4	Regular team meetings, self-directed study and engagement with online team discussions on Canvas.
TOTAL:	150		

9. Assessment for the above Module Occurrence					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Practical	1,3,4	100 (%)	Fine Grade	30 (%)
Group mock court session (Q&A) (equivalent to 1500 words)					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
011	Coursework	2	0 (%)	Pass/Fail	100 (%)
Individual report from role as chair of team based session (agenda, minutes and reflective commentary) to 1500 words					

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).

In addition, students are required to:

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above**
- (b) pass any pass/fail elements**

[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]