



Module Descriptor for MDCS41640 in 2022/23

Short Title	Long Title	Subject Area	College	School/Unit	Last Modified
Clinical Trials	Clinical Trials	Medicine Clinical Science	Health & Agricultural Sciences	Medicine	16 Jan 2023

UCD Level	Credits (ECTS)	Semester/Trimester	Grade Scale	VLE Setup	Module Coordinator	Status
4 - Masters	10.0	Autumn	Letter grades	Module in Brightspace	Deborah Wallace	Active

Mode of Delivery	Internship Module	Clinical / Fieldwork / Placement
Face-to-Face	No	Other

Overall Places	Core/Option	General Elective	First Year Elective	International	Open Learning
40	40	0	0	0	0

Purpose & Overarching Content

This module forms part of the graduate programme in clinical and translational research. This module introduces students to drug discovery & development and introduces critical concepts in clinical trial design. In this module students will be introduced to clinical trials, from new drug discovery to how trials of medicines are completed.

Specific areas of focus in this module includes

- 1) Introduction to Pharmacology
- 2) New drug discovery
- 3) Preclinical Testing
- 4) Clinical Trial Designs
- 5) Trial Endpoints
- 6) Trial periods and interventions
- 7) Trial populations
- 8) Phases of Trials

Learning Outcomes

On completion of this module students will develop a comprehensive understanding of clinical trials, how they are designed and completed.

Specifically, students will be able to:

- Understand clinical trial principles, including study design
- Understand regulatory and legal environment in which clinical trials are completed
- Analyse the design of clinical trials
- Understand how emerging technologies are directly enhancing clinical trials
- Appreciate how Good Clinical Practice guides trial design, development and implementation

Indicative Module Content

This module includes content on the following key areas

- 1) Drug Discovery and Development
- 2) Clinical Trial Designs
- 3) Clinical Trial Applications

Approaches to Teaching and Learning

Lectures

Online lectures of clinical trials in focus

Additional reading

Student Effort Hours

Student Effort Type	Hours
Contact Time	
Seminar (or Webinar)	11
Lectures	57
Total Contact Time	68
Specified Learning Activities	
Specified Learning Activities	42



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Student Effort Hours (continued)

Student Effort Type	Hours
Total Specified Learning Activities	42
Autonomous Student Learning	
Autonomous Student Learning	90
Total Autonomous Student Learning	90
Total	200

Assessment Details

Assesment Type	Description	Timing	Open Book?	% of Final Grade	Component Scale	Must-Pass?	In-module Component Repeat Offered?
Examination	Exam	2 hour End of Trimester Exam	No	100	Graded	Yes	Yes
Total				100			

Carry Forward of Passed Components

Yes

Feedback Strategy

Feedback Strategies	Sequence of Feedback
- Group/class feedback, post-assessment	Feedback provided at end of assessment In class instant feedback by way of quizzes

Remediation Strategy

Remediation Type	Remediation Timing
Resit	Within Two Trimesters

Associated Staff

Name	Role
Dr Marie Galligan	Lecturer / Co-Lecturer
Ms Helen Campion	VLE Access Only
Miss Denise Gosling	Module Assistant
Mr Martin Heduan	VLE Access Only
Mrs Allison Kacperski	VLE Access Only
Professor Patrick Murray	VLE Access Only

Associated Majors

Programme	Major	Stage	Module Type
MTMED001 - Master of Science-Medicine	X789 - MSc Clinic&Transl Research FT	1	Core Module
MTMED001 - Master of Science-Medicine	X427 - MSc Clinic&Transl Research PT	1	Option Module

For help with the information on this report, please email curriculum@ucd.ie