



# Module Descriptor for MDCS41640 in 2022/2023

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
<p>This module forms part of the graduate programme in clinical and translational research. This module introduces students to drug discovery &amp; 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.</p> <p>Specific areas of focus in this module includes</p> <ol style="list-style-type: none"> <li>1) Introduction to Pharmacology</li> <li>2) New drug discovery</li> <li>3) Preclinical Testing</li> <li>4) Clinical Trial Designs</li> <li>5) Trial Endpoints</li> <li>6) Trial periods and interventions</li> <li>7) Trial populations</li> <li>8) Phases of Trials</li> </ol>

Learning Outcomes
<p>On completion of this module students will develop a comprehensive understanding of clinical trials, how they are designed and completed.</p> <p>Specifically, students will be able to:</p> <ul style="list-style-type: none"> <li>Understand clinical trial principles, including study design</li> <li>Understand regulatory and legal environment in which clinical trials are completed</li> <li>Analyse the design of clinical trials</li> <li>Understand how emerging technologies are directly enhancing clinical trials</li> <li>Appreciate how Good Clinical Practice guides trial design, development and implementation</li> </ul>

Indicative Module Content
<p>This module includes content on the following key areas</p> <ol style="list-style-type: none"> <li>1) Drug Discovery and Development</li> <li>2) Clinical Trial Designs</li> <li>3) Clinical Trial Applications</li> </ol>

Approaches to Teaching and Learning
<p>Lectures</p> <p>Online lectures of clinical trials in focus</p> <p>Additional reading</p>

## Student Effort Hours

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



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## Student Effort Hours (continued)

Student Effort Type	Hours
<b>Total Specified Learning Activities</b>	<b>42</b>
<b>Autonomous Student Learning</b>	
Autonomous Student Learning	90
<b>Total Autonomous Student Learning</b>	<b>90</b>
<b>Total</b>	<b>200</b>

## 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
<b>Total</b>				<b>100</b>			

### 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