



MEDI7007

Unlocking the Mechanisms of Human Disease

Session 2, Special circumstance 2020

Medicine, Health and Human Sciences Faculty level units

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Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Helen Rizos

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Credit points

10

Prerequisites

Corequisites

Co-badged status

Unit description

In this unit you will explore the aetiology, pathogenesis and risk factors involved in common human diseases, including cancer and neurodegenerative conditions. Disease processes will be studied with a focus on cell biology, genetics, and immunology. You will gain an in depth understanding of fundamental biological mechanisms governing human disease pathogenesis. Current treatments and clinical trials will be reviewed and the impact of disease on the individual and on society will be discussed. The latest research into treatment response and resistance, liquid biopsies, and biomarker discovery will be incorporated throughout the unit, and the reality and promise of personalised therapy will be considered.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

- ULO1:** Identify the mechanisms and risk factors that contribute to disease.
- ULO2:** Critically review contemporary research in human disease processes.
- ULO3:** Evaluate current treatment strategies and the role of personalised therapy.
- ULO4:** Interpret and communicate research concepts and results.

General Assessment Information

Grade descriptors and other information concerning grading are contained in Schedule 1 of the Macquarie University Assessment Policy, which is available at: <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/assessment>.

Further details for each assessment task will be available on iLearn.

All final grades in the Masters of Research are determined by a grading committee and are not the sole responsibility of the Unit Convenor.

Students will be awarded a final grade plus a Standardised Numerical Grade (SNG). The SNG is not necessarily a summation of the individual assessment components. The final grade and SNG that are awarded reflect the corresponding grade descriptor in the Grading Policy.

To pass this unit, students must demonstrate sufficient evidence of achievement of the learning outcomes, attempt all assessment tasks, meet any ungraded requirements including professionalism and achieve an SNG of 50 or better.

Student Professionalism

In the Faculty of Medicine, Health, and Human Sciences, professionalism is a key capability embedded in all our courses. As part of developing professionalism, students are expected to attend all small group interactive sessions including tutorials, as well as complete online sessions.

Furthermore, lectures and seminars are key learning activities that you are expected to attend throughout the Master of Research program. While audio recordings and lecture slides may be made available following these large group sessions, it is important to recognise that such resources are a study aid - and should not be considered an alternative to lecture or seminar attendance.

Students who do not maintain adequate attendance (greater than or equal to 80% of scheduled classes) may be deemed unable to meet expectations regarding professionalism and may be referred for disciplinary action (which may include exclusion from assessments and unit failure).

Similarly, as part of developing professionalism, students are expected to submit all work by the due date. Applications for assessment task extensions must be supported by appropriate evidence and submitted via ask.mq.edu.au. For further details please refer to the Special Consideration Policy available at <https://students.mq.edu.au/study/my-study-program/special-consideration>.

Submission of assignments

Marking rubrics will be provided in iLearn and all written assignments are to be submitted in Turnitin. Instructions on submitting assignments and how to access marks and feedback through Turnitin are available through this link: <https://help.ilearn.mq.edu.au/index.php?action=artikel&cat=30&id=118&artlang=en>

Late Submission

All assignments that are officially received after the due date, and where no extension or special consideration has been granted, will incur a deduction of 5% per day, including weekends and public holidays and the actual day received. This will continue up until 10 days after due date, after which the assignment will not be accepted. For example:

Due date	Received	Days late	Deduction	Raw mark	Final mark
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Friday 14 th	Monday 17 th	3	15%	75%	60%
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Technology Used

Completion of online training and learning activities throughout the unit will require students to have access to a tablet, laptop or similar device. Students who do not own their own laptop computer may borrow one from the university library.

Assessment Tasks

Name	Weighting	Hurdle	Due
Oral Presentation	30%	No	Week 5
Written Assessment	25%	No	Week 10
Final exam	45%	No	Week13

Oral Presentation

Assessment Type ¹: Debate

Indicative Time on Task ²: 24 hours

Due: **Week 5**

Weighting: **30%**

Debate conducted online about a current research topic.

On successful completion you will be able to:

- Identify the mechanisms and risk factors that contribute to disease.
- Critically review contemporary research in human disease processes.
- Evaluate current treatment strategies and the role of personalised therapy.
- Interpret and communicate research concepts and results.

Written Assessment

Assessment Type ¹: Summary

Indicative Time on Task ²: 24 hours

Due: **Week 10**

Weighting: **25%**

Prepare a structured research abstract

On successful completion you will be able to:

- Identify the mechanisms and risk factors that contribute to disease.
- Critically review contemporary research in human disease processes.
- Evaluate current treatment strategies and the role of personalised therapy.
- Interpret and communicate research concepts and results.

Final exam

Assessment Type ¹: Examination

Indicative Time on Task ²: 22 hours

Due: **Week13**

Weighting: **45%**

Assessment of unit knowledge.

On successful completion you will be able to:

- Identify the mechanisms and risk factors that contribute to disease.
- Critically review contemporary research in human disease processes.
- Evaluate current treatment strategies and the role of personalised therapy.

¹ If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

² Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

This unit will rely on the latest research literature and all relevant references will be provided via iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and

Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Students seeking more policy resources can visit the [Student Policy Gateway](https://students.mq.edu.au/support/study/student-policy-gateway) (<https://students.mq.edu.au/support/study/student-policy-gateway>). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/student-conduct>

Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.