



MOLS8001

Selected Topics in the Molecular Sciences

Session 2, Special circumstances 2021

Archive (Pre-2022) - Department of Molecular Sciences

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Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

General Information

Unit convenor and teaching staff Paul Haynes paul.haynes@mq.edu.au
Credit points 10
Prerequisites (Admission to GradDipBiotech or GradCertLabAQMgt or GradDipLabAQMgt or MBiotech or MBioBus or MLabAQMgt or MRadiopharmSc or MSc or MScInnovationChemBiomolecularSc) and permission by special approval
Corequisites
Co-badged status
Unit description This unit will focus on special topics in Molecular Science. Topics may include biochemistry, cell biology, molecular biology and genomics, medicinal chemistry, organic chemistry, physical chemistry and analytical chemistry; and focus on processes in molecular sciences. Topics will be chosen to encourage students to explore the different disciplines in the Molecular Sciences and to develop knowledge and skills in analysis and investigation.

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:** Acquire a coherent and advanced knowledge of the principles and concepts within the discipline area
- ULO2:** Demonstrate an advanced knowledge of research principles and methods
- ULO3:** Synthesize and analyse information from a variety of sources
- ULO4:** Identify and provide solutions to complex problems with intellectual independence
- ULO5:** Articulate clearly a coherent argument in written, oral and technical communication skill as relevant to the specific needs of the discipline
- ULO6:** Think critically and make informed and logical judgement on the arguments of

others to arrive at reasonable and meaningful arguments and positions, and formulate and apply ideas to new contexts

ULO7: Demonstrate the ability to apply accumulated knowledge and skills to make decisions in the context of professional practice and/or scholarship

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Assessment Portfolio</u>	100%	No	By the end of week 13

Assessment Portfolio

Assessment Type ¹: Portfolio

Indicative Time on Task ²: 100 hours

Due: **By the end of week 13**

Weighting: **100%**

Assessment tasks and weighting to be determined by supervisor for project/activity based units or as listed in unit guides where components of other units are being undertaken; and approved by Unit Convener.

Minimum 3 tasks required, with a maximum of 60% weighting for any one task. Tasks can vary, eg scientific report, essay (3000 words), exam. Workload must be appropriate for 10cp unit.

On successful completion you will be able to:

- Acquire a coherent and advanced knowledge of the principles and concepts within the discipline area
- Demonstrate an advanced knowledge of research principles and methods
- Synthesize and analyse information from a variety of sources
- Identify and provide solutions to complex problems with intellectual independence
- Articulate clearly a coherent argument in written, oral and technical communication skill as relevant to the specific needs of the discipline
- Think critically and make informed and logical judgement on the arguments of others to arrive at reasonable and meaningful arguments and positions, and formulate and apply ideas to new contexts
- Demonstrate the ability to apply accumulated knowledge and skills to make decisions in the context of professional practice and/or scholarship

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

MOLS8001 Unit structural outline [July 2021]

MOLS8001 is a flexible unit of independent study which can be completed via two different pathways:

1. The student may be placed into the class of a different unit within the discipline that is not generally part of their programme, and required to complete some or all of that unit's requirements. This requires prior consultation with the program director and unit convenors to ensure negotiated requirements are completed successfully. Students will be given access to the iLearn site of the alternative unit being attempted. Students should consult timetables.mq.edu.au and the iLearn site of the alternative unit for details of lectures, other activities, practical classes and assessment tasks.
2. The student may be required to complete a broad literature review on a particular topic, and submit a draft of a manuscript in a format compatible with submission for publication to a particular journal. This requires prior consultation with an academic supervisor who will aid in design of the literature review topic. There is no set timetable of activities for this offering, as it requires independent study in consultation with the supervisor.

In all cases, the requirements for a 10 credit point unit specify that it should be equivalent to a minimum of 150 hours of work for a student in a semester. The unit will be marked and graded. Students completing the requirements in a different unit will be marked and graded within that cohort. Students completing a literature review will receive a grade based on marking against a rubric and assessment of all submissions within the cohort by the unit convenor and other designated markers.

If you are enrolled in this unit and do not know which of the two options above you will be doing, please contact your program director and the unit convenor.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://policies.mq.edu.au) (<https://policies.mq.edu.au>). 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](#)

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

To find other policies relating to Teaching and Learning, visit [Policy Central](https://policies.mq.edu.au) (<https://policies.mq.edu.au>) and use the [search tool](#).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/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.