



MOLS8001

Selected Topics in the Molecular Sciences

Session 2, Weekday attendance, North Ryde 2020

Department of Molecular Sciences

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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

Unit Convenor

Joanne Jamie

joanne.jamie@mq.edu.au

Contact via 98508283

4 Wally's Walk room 231

available by phone, email or zoom

Unit Co-convenor

Shoba Ranganathan

shoba.ranganathan@mq.edu.au

4 Wally's Walk room 121

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

General Assessment Information

Will be determined in consultation with Unit Convenor. Varies depending on if doing literature review or project/activity based task or if incorporating components of another unit (with MOLS8001 acting as a shell unit).

Assessment Tasks

Name	Weighting	Hurdle	Due
Assessment Portfolio	100%	No	By Week 13, except when have final exam

Assessment Portfolio

Assessment Type ¹: Portfolio

Indicative Time on Task ²: 100 hours

Due: **By Week 13, except when have final exam**

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
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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

Will be determined in consultation with Unit Convenor. Varies depending on if doing literature review or project/activity based task or if incorporating components of another unit (with MOLS8001 acting as a shell unit).

Unit Schedule

Will be determined in consultation with Unit Convenor. Varies depending on if doing literature review or project/activity based task or if incorporating components of another unit (with MOLS8001 acting as a shell unit).

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.