



# BIOL3661

## PACE: Medical Sciences Capstone

Session 2, In person-scheduled-weekday, North Ryde 2024

*School of Natural Sciences*

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

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Credit points

10

Prerequisites

Admission to BMedScs and 120cp at 1000 level or above including BIOL1620 or BIOL1610

Corequisites

Co-badged status

Unit description

In the Bachelor of Medical Sciences Capstone and PACE unit, students will apply their knowledge and their experiential learnings over the course of the degree to delve into local and global health issues of current medical and health sciences significance. Interactive sessions with experts at the forefront of research topics currently dominating medical sciences will facilitate students to engage deeply with research seeking solutions to health issues through medical science innovations. In the PACE component students have an option to undertake an individual placement (self-determined or via advertised opportunities) or to complete an on-campus group project, as requested by a designated partner organisation, to help them solve an authentic problem or complete organisation related tasks. This unit involves active reflection on prior learning and translation to employability and workplace skills, and building linkages with professional communities and industries. Visit [Employability Connect](#) for important information and resources relating to this unit.

## 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:** Reflect and articulate key knowledge and skills gained throughout the Bachelor of Medical Sciences, and apply learnings to devise strategies for transitioning from

university to the workforce

**ULO2:** Consolidate information from seminars, discussions and literature on current topics in medical science and report on your evaluation

**ULO3:** Analyse and interpret data on a global health issue

**ULO4:** Appraise strategies for working effectively both as an individual and as part of a team, with knowledge of ethical principles and professional conduct applicable for your career aspirations

**ULO5:** Effectively communicate key information, innovations and issues in the medical sciences in written and verbal form to a variety of stakeholders / audiences

## General Assessment Information

### Unit completion

To pass this unit students need to:

- Achieve an overall minimum grade of 50% attained through the combined marks of three assessments
- Note that the work undertaken in SGTAs and the PACE activity forms the basis of assessments. Therefore students will only do well in assessments if they participate in pre-SGTA modules, attend and participate in SGTAs, and undertake a PACE activity.

### Assessment Submission

- Assessments must be submitted via iLearn by 11:55 pm on their due date.
- A 1-hour grace period will be provided to students who experience a technical concern.
- Universal design applies to all assessments and there are no time-sensitive assessments.
- All assessments are set at the start of the unit enabling ample time for completion.

### Late Assessment Submission

- Applies to assessment 1 (Future Health), Assessment 2 (Work ready final submission) and Assessment 3 (Partnering with Industry)
- Late assessments are not accepted in this unit unless a Special Consideration has been submitted and approved.

### Special Consideration

Applies to assessment 1 (Future Health), Assessment 2 (Work ready final submission) and Assessment 3 (Partnering with Industry)

The [Special Consideration Policy](#) aims to support students who have been impacted by short-term circumstances or events that are serious, unavoidable and significantly disruptive, and which may affect their performance in assessment. If you experience circumstances or events that affect your ability to complete the assessments in this unit on time, please inform the convenor and submit a Special Consideration request through <https://ask.mq.edu.au/>

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Future health - issues and solutions</a>	30%	No	2024-09-15
<a href="#">Work ready activities</a>	20%	No	2024-10-06
<a href="#">Partnering with industry</a>	50%	No	2024-11-03

### Future health - issues and solutions

Assessment Type <sup>1</sup>: Poster

Indicative Time on Task <sup>2</sup>: 15 hours

Due: **2024-09-15**

Weighting: **30%**

Students will identify a pressing health issue associated with the World Health Organisation threats for future health and determine alignment to relevant Sustainable Development Goals. Content on recent scientific discoveries, innovations, solutions or strategies for managing, treating, or controlling the health issue form part of the assessment. Submission is in the form of a poster where the issue, SDGs, and the up to date information are presented.

On successful completion you will be able to:

- Reflect and articulate key knowledge and skills gained throughout the Bachelor of Medical Sciences, and apply learnings to devise strategies for transitioning from university to the workforce
- Analyse and interpret data on a global health issue
- Effectively communicate key information, innovations and issues in the medical sciences in written and verbal form to a variety of stakeholders / audiences

## Work ready activities

Assessment Type <sup>1</sup>: Reflective Writing

Indicative Time on Task <sup>2</sup>: 12 hours

Due: **2024-10-06**

Weighting: **20%**

Students will reflect on learnings gained through completion of employability modules and SGTA activities aimed at developing and recognising individual work readiness relative to the career aspirations of individual students. Engagement with peer reflections forms part of this assessment.

On successful completion you will be able to:

- Reflect and articulate key knowledge and skills gained throughout the Bachelor of Medical Sciences, and apply learnings to devise strategies for transitioning from university to the workforce
- Consolidate information from seminars, discussions and literature on current topics in medical science and report on your evaluation
- Effectively communicate key information, innovations and issues in the medical sciences in written and verbal form to a variety of stakeholders / audiences

## Partnering with industry

Assessment Type <sup>1</sup>: Presentation

Indicative Time on Task <sup>2</sup>: 20 hours

Due: **2024-11-03**

Weighting: **50%**

Students will provide a recorded video presentation on their PACE experience. The presentation will include detailing the partner organisation's function and significance for medical/health sciences, work integrated activities performed during PACE placement, deliverables/outcomes provided by the student for the partner, employability skills developed, and future career relevance of the experience. This assessment includes considerable reflection on experiential learning during the PACE activity and relatedness to learning experiences, skills and knowledge throughout study towards the Bachelor of Medical Sciences.

On successful completion you will be able to:

- Reflect and articulate key knowledge and skills gained throughout the Bachelor of Medical Sciences, and apply learnings to devise strategies for transitioning from university to the workforce
  - Consolidate information from seminars, discussions and literature on current topics in medical science and report on your evaluation
  - Analyse and interpret data on a global health issue
  - Appraise strategies for working effectively both as an individual and as part of a team, with knowledge of ethical principles and professional conduct applicable for your career aspirations
  - Effectively communicate key information, innovations and issues in the medical sciences in written and verbal form to a variety of stakeholders / audiences
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<sup>1</sup> 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.

<sup>2</sup> 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**

**Classes begin in week 1**

SGTAs and Seminar begin in week 1 of the session

### **Methods of Communication**

- We will communicate with you via your university email and through announcements on iLearn.
- Queries to convenors can either be placed on the iLearn discussion board - this is preferable for queries that directly relate to unit content, unit activities, or assessments. Queries can also be sent via email to the unit email [BIOL3661@mq.edu.au](mailto:BIOL3661@mq.edu.au).
- Email unit convenors directly for more serious matters of an individual nature and that do not directly relate to unit content, unit activities, or assessments.

### **Learning and Teaching module**

BIOL3661 is delivered in a flipped classroom mode where students are required to do pre-class tasks in preparation for activities in weekly SGTAs (weeks 1-7). Completing these tasks before

weekly SGTAs will ensure that you get the best from the unit, and are in a position to participate and interact with students in SGTA activities.

## **PACE activities**

The PACE component of BIOL3661 can be completed in two ways.

1. **Individual internship** – students seek out an internship opportunity and complete required PACE forms for approval. Students who choose this PACE option do not need to attend SGTAs from week 8-12.
2. **SGTA group-based activity** – students complete their PACE experience by undertaking activities in partnership with unit designated industry partners. Project deliverables are completed in small groups in SGTAs and additional hours outside of the classroom. Students who choose this PACE option need to attend SGTAs from week 8-12.

## **CLASSES**

### **Seminar - beginning week 1**

BIOL3661 has one online seminar per week where guest speakers relating will cover topics relating to career progression and research themes.

Over 80% of the lecturers in this unit are external to Macquarie University and work at other institutes. These scientists, postdocs, students and professionals are giving up their time to present information to you and to assist you with the next stages of your career. Please endeavour to attend seminars and respect the time and contributions that the speakers are providing for you.

### **Small group teaching activities - beginning week 1**

#### **Weeks 1-7 and 13**

In the first seven weekly 2-hour classes (weeks 1-7) students undertake small group activities and problem-based learning to identify and develop key skills that will support their careers after completion of the Bachelor of Medical Sciences.

There are activities associated with the employability modules that need to be completed before attending class to ensure that you and other students get the best from time in class and the unit. The SGTAs in weeks 1-7 are integral to completing all assessments in BIOL3661.

#### **Weeks 8-12 - PACE group activity only**

Students complete their PACE activity on campus in partnership with an external organisation that have provided projects and clear deliverables.

## Health in classes

- If you are experiencing any cold or flu symptoms please consider the health of others and avoid attending classes.
- Please also consider wearing a mask to prevent spread of respiratory diseases, especially during times of heightened cases.

## 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](#)
- [Assessment Procedure](#)
- [Complaints Resolution 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](https://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a



range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

## Student Support

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

### The Writing Centre

[The Writing Centre](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the 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

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support including information about finances, tenancy and legal issues](#)
- [Student Advocacy](#) provides independent advice on MQ policies, procedures, and processes

## Student Enquiries

Got a question? Ask us via [AskMQ](#), or contact [Service Connect](#).

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](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.

## Changes from Previous Offering

We value student feedback to be able to continually improve the way we offer our units. As such we encourage students to provide constructive feedback via student surveys, to the teaching staff directly, or via the FSE Student Experience & Feedback link in the iLearn page.

### PACE activity

- In previous offerings of this unit the PACE activity was completed as a group project with unit designated partner organisations.
- From 2024 students have the choice to find and complete an individual internship or participate in a group project with unit designated partner organisations.
- PACE workload hours have been increased to 70 hours

### Assessments

In this offering two assessments have been changed.

1. Future Health - submission format change. Previously, this assessment comprised a written brief on a global health issue and recorded interview between a pair of students on their topics. While the learning outcomes and assessment themes have not been changed the submission format is now a poster.
2. Partnering with Industry - submission format change. PACE was previously assessed on deliverables provided by groups to partner organisations. In this offering PACE is assessed according to individual student experiences of their PACE activity and completion of work, health and safety modules. Assessment is based on the content submitted in a pre-recorded presentation.

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Unit information based on version 2024.03 of the [Handbook](#)