

MOLS3002:

Engaging the Community in Science

FULL YEAR - 40 PACE ACTIVITY HOURS

KEY PACE PROCESSES AND TIMELINES



PACE Timelines (see Unit Guide for academic dates)

Key dates	Details
At the end of your 2nd year	<ul style="list-style-type: none"> Plan ahead and prepare for enrolment in MOLS3002 to maximise outcomes Organise an interview with the unit convenor as soon as possible, and at least 2 weeks before the start of session 1, as there are limited enrolment spaces in the unit
Ongoing	<ul style="list-style-type: none"> Review PACE activities shared by the Unit Convenor and express an interest where appropriate Reflect on your PACE activity and curriculum in preparation for assessments Engage with partner organisations as guided by the Unit Convenor. Manage and plan carefully so you can meet all commitments

- Enhance your employability by engaging with a partner organisation on a mutually beneficial activity
- Put theoretical knowledge to practice, reflect on your studies, clarify your career goals, and network with professionals
- No matter what stage you are at in life or career, this unit contributes to professional pursuits

VIDEOS OF MOLS3002 STUDENTS ENGAGING A VARIETY OF COMMUNITIES IN SCIENCE:

- The award-winning [National Indigenous Science Education Program \(NISEP\)](#) at Redfern Community Centre
- [Casino High School](#)
- [Mt. Austin Science Day](#)

EXAMPLES OF PREVIOUS MOLS3002 ACTIVITIES

- Indigenous Science Experience at Redfern Community Centre, National Science Week** at this annual event MOLS3002 students become involved in the organisation and demonstration of hands-on science activities to primary school students and community members.
- NISEP School Science Shows** students visit partner schools in low socioeconomic status areas, where they work alongside NISEP student leaders (Years 8-12) to demonstrate exciting and creative science activities to junior students, with an aim to inspire local and Indigenous students to become curious about science.
- Junior Science Academy** students help primary-school age children explore the world of science by engaging them in interactive experiences including elephant's toothpaste, dry ice and slime experiments.

HOW DOES THE UNIT WORK?

PACE units combine theory-based curriculum with practical experience (PACE activity) to enhance your employability (i.e. being work and life ready in increasingly complex and evolving circumstances). In MOLS3002, you will engage in a wide range of science opportunities - working alongside the unit's convenors, fellow students, and partner organisations, including the award winning National Indigenous Science Education Program (NISEP). You must undertake the unit's curriculum and the PACE activity in order to be eligible to complete MOLS3002.

Well in advance check the [Handbook](#) for information about MOLS3002, including pre-reqs and any Special Approval requirements. It can also help to look at previous [Unit Guides](#).

HOW DO I FIND MY PACE ACTIVITY?

Throughout the year, the unit convenor will present you with a number of available MOLS3002 PACE activities and you will need to complete several to fulfil all required PACE activity hours. Some will be available to all MOLS3002 students, while others will require specific training and individuals will be chosen following an expression of interest. Note: you must have an up to date working with children check before you can start any of your PACE activities and you will only complete activities which have been identified as suitable from WHS and risk, and Learning Outcomes perspectives.

MOLS3002 STUDENT TESTIMONIAL



"I found as this unit progressed I have become a lot more confident and mindful when it comes to talking to people and more considerate and open minded when learning about indigenous culture and people."

Cherry Fung (BSCI-T) Bachelor of Science

IS RECOGNITION OF PRIOR LEARNING (RPL) POSSIBLE?

As per the University's RPL Policy, if you can evidence prior achievement of the [Academic Senate's criteria for PACE units](#) then RPL for PACE might be possible. Evidence occurs through: having completed a PACE-like unit elsewhere, or submission of a portfolio demonstrating that all 4 essential PACE elements (as specified in the Policy) have been met.

Acknowledgement of past or current employment alone is not sufficient for this purpose; however, evidence could include demonstration of you having engaged in an experiential learning activity (as part of that employment) that:

- was mutually beneficial, and
- met or exceeded the minimum hours standard set in Senate's Criteria for the Accreditation of PACE units and activities, and
- enabled the integration of theory with practice, and
- was embedded in and supported by a reflective practice framework.

For more information, refer to the PACE-specific detail in the University's [RPL Policy](#) and if you want to apply go [here](#).

ANYTHING ELSE I NEED TO KNOW?

IPARTICIPATE

Once enrolled, you will have access to a system called 'iParticipate' which enables acknowledgement of your PACE Roles and Responsibilities (through the Student Undertaking form), provision of emergency contacts, identification of which activity you would like to complete, and information on background/health checks (see below).

BACKGROUND/HEALTH CHECKS

Some PACE activities require background/health checks before you commence such as Working With Children Check, National Police Check etc. Which checks you require will depend on your partner organisation and activity. Checks can take time to complete so it is important to prepare as early as possible.

REASONABLE ADJUSTMENTS

PACE activities are available to all undergraduate Macquarie students regardless of personal circumstances. Students are encouraged to disclose and discuss any personal circumstances which may impact their PACE Activity before activity allocation is finalised.

For more information refer to the [PACE Activity Management Procedure](#) and the [Student Disability Support Policy](#).

[Reasonable adjustments video](#)

PACE AND ETHICAL PRACTICE

Ethical practice is a key component of PACE. It involves negotiating the ethical complexities in which you are working, engaging in an ethical manner and establishing ethical partnerships. Students should not undertake a PACE activity where a conflict of interest might exist. Please advise your Unit Convenor as soon as any ethical concerns arise.

INTELLECTUAL PROPERTY RIGHTS

Your PACE activity might result in the creation of intellectual property (IP). IP is the application of the mind to develop something new or original and can exist in various forms, such as an invention, brand, design, software program or artistic creation.

Discuss IP with your partner organisation before your PACE activity starts. IP generated by students with substantial use of partner organisation resources and input (e.g. the initial problem for which a solution is being developed) will normally be required to be assigned to the partner organisation.

If you are uncertain about your rights, speak with your Unit Convenor. The University cannot provide you with IP legal advice in respect of IP creation, ownership or rights of use and recommends you obtain independent legal advice before signing an IP agreement. The University has developed a draft agreement that you and partners could use to assign IP and this is available through your Unit Convenor.

For further advice you can contact the Office of Commercialisation and Innovation by emailing commercialisation@mq.edu.au

PACEWISE

Re-visit [PACEWISE](#) to find out more about:

- Hints to present yourself professionally
- The Judyth Sachs Prize
- PACE Equity and Travel grants
- Your Roles and Responsibilities
- Work Health and Safety

MOLS3002 STUDENT TESTIMONIAL



"MOLS3002 was one of the highlights of my time at university. Getting the chance to work with my peers as a team to inspire and motivate school students was extremely rewarding, and I took away from it a renewed confidence and love for presenting."

Jackson Siskovic (BMEDSC-T) Bachelor of Medical Sciences

CONTACT INFORMATION

For questions specific to the academic requirements of MOLS3002 contact the Unit Convenor Joanne Jamie (joanne.jamie@mq.edu.au), (02) 9850 8283.

For all other enquiries about MOLS3002, contact PACE:

T: +61 (2) 9850 6842

E: pace.science@mq.edu.au



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