



MATH3919: Participation and Community Engagement in Mathematics

SESSION 2 2020 - 70 PACE ACTIVITY HOURS



- Combine theory with practice to help others understand mathematical concepts and develop as mathematical thinkers, while enhancing your C.V. and professional experience
- Test your classroom skills by working on a real-world project with your partner organisation
- No matter what stage you are at in life or career, this unit enhances professional pursuits

HOW DOES THE UNIT WORK?

PACE units combine theory-based curriculum with practical experience (PACE activity). Dependent on the needs of the community-based partner and the availability of students, MATH3919 PACE activities might include individual (such as one-on-one mentoring, or an internship with an industry partner) or group-based activities (such as problem-solving challenges for school children, or an inter-disciplinary research team). You must undertake all curriculum (e.g. workshops/ lessons and assessment) and the PACE activity in order to be eligible to complete the unit.

To find out more about MATH3919 and eligibility requirements visit the [Handbook](#).

HOW DO I FIND MY PACE ACTIVITY?

MATH3919 students will generally have the opportunity to find and propose their own PACE activity, but it might also be possible to express an interest for a limited number of activities available through the unit. Arrangements will vary each offering and be shared by the Unit Convenor in advance of the session. When you find and propose your own activity you can:

- gain first-hand experience in approaching future employers
- be more involved in negotiating your activity tasks and structure
- enhance your chances of securing an activity that meets your specific goals and interests
- build professional contacts and networks

For more information to support the finding of a PACE activity, review resources in the MATH3919 iLearn site.

When you have found a PACE activity you will need to submit a MATH3919 Student Activity Proposal. This form will be emailed to you after you have provided the Unit Convenor with information on your interests, priorities, and career goals (see below).

PACE-SPECIFIC TIMELINES

MATH3919 Timelines (see Unit Guide for academic dates)	
Key dates	Activity information
ASAP	Plan ahead and prepare to enrol in MATH3919 to maximise outcomes
No later than 6 weeks before session starts,	<ul style="list-style-type: none"> • Contact the Unit Convenor to explore potential partner organisations and activities. Complete the form that will be shared by the Unit Convenor to capture information on your interests, priorities, and career goals. • Start researching and contacting potential partner organisations to find your PACE activity.
2 weeks before session starts - week 1	Confirm your activity with your partner organisation and complete the MATH3919 Student Activity Proposal
Week 1 of session	If you have not yet found a PACE activity, express an interest for an activity available through the unit and await confirmation of the outcome.
Ongoing	<ul style="list-style-type: none"> • Throughout the session - spend time reflecting on your PACE activity experiences and the unit curriculum in preparation for completing assessments. • Regular engagement with your partner organisation will depend on what you and the host supervisor have negotiated. • Students should manage and plan carefully so they can meet their other commitments (e.g. part-time work or other university studies).

MATH3919 STUDENT TESTIMONIAL

"My activity allowed me to apply various abstract concepts... linear analysis, exponential functions, statistical analysis, linear interpolation and data transformation...in order to help achieve meaningful results which can be used to communicate key information to those who have different areas of expertise."

PEJMAN ADILY, BSC, MAJOR IN MATHEMATICS

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. Acknowledgement of past or current employment alone is not sufficient for this purpose; however, evidence could include demonstration of achieving core PACE criteria through experiential learning that has occurred as part of that employment, or successful completion of a PACE-like unit elsewhere.

Refer to the PACE-specific information in the University's [RPL Policy](#) for more detail. Information on how to apply can be found [here](#).

ANYTHING ELSE I NEED TO KNOW?

STUDENT UNDERTAKING

Once enrolled, you will be asked to agree to your Roles and Responsibilities and provide emergency contact details via a Student Undertaking form in iParticipate. Doing this and receiving approval for your PACE activity are necessary before you can start your PACE activity.

BACKGROUND CHECKS (WWCC, POLICE CHECK, HEALTH CHECK ETC.)

Some PACE activities require background checks before you commence such as Working With Children Check, National Police Check etc. The checks necessary (if any) will depend on your activity and the requirements of your partner organisation.

REASONABLE ADJUSTMENTS

PACE activities are available to ALL undergraduate Macquarie students regardless of their personal circumstances. Students are encouraged to disclose and discuss any personal circumstances which may impact on their ability to complete a PACE Activity before selection or allocation of PACE Activities is finalised. For more information refer to the [PACE Activity Management Procedure](#) and the [Student Disability Support Policy](#).

Refer to our [reasonable adjustments video](#) for more information.

PACE AND ETHICAL PRACTICE

Ethical practice features heavily in PACE and involves negotiating the ethical complexities of the context in which you are working, engaging in activities in an ethical manner, and ethical partnerships. Students should not undertake a PACE activity that would cause a conflict of interest (e.g. with a current employer). Please advise the Unit Convenor as soon as any ethical concerns (including conflict of interest) arise.

INTELLECTUAL PROPERTY RIGHTS

It is possible that a PACE activity might result in the creation of intellectual property (IP). IP is a term that describes the application of the mind to develop something new or original. IP may exist in various forms, such as a new invention, brand, design, software program or artistic creation.

Discussion about this should occur with your partner organisation at the start of the session. You might even be asked to sign an IP agreement. Note: 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 or Faculty PACE team. The University does not provide students with legal advice in respect of IP creation, ownership or rights of use and recommends students obtain independent legal advice before signing an IP agreement. The University has developed a draft agreement that could be used by students and partners 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:

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

MATH3919 PARTNER TESTIMONIAL

"The student completed a crucial step in understanding the risk posed to population health by diabetes, and how best to put in measures to tackle it. He applied himself to the task with diligence, enthusiasm and professionalism – a task which pushed him beyond the comfort zone of what he had already learned in his coursework."

DR YALCHIN OYTAM, HOST SUPERVISOR, NSW MINISTRY OF HEALTH



HOW CAN I FIND OUT MORE INFORMATION?

For questions specific to the academic requirements of MATH3919 contact the Unit Convenor.

For all other enquiries about MATH3919, contact the Faculty of Science and Engineering PACE team:

T: +61 (2) 9850 6842

E: pace.science@mq.edu.au



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