



Grants for Learning and Teaching

Learning and teaching grants provide opportunities for UNSW staff to undertake collaborative research and development projects that are focused on current institutional priorities, as well as issues of importance in learning and teaching in higher education.

UNSW Scientia Education Investment Fund Program

In 2017, UNSW created a Scientia Education Investment Fund grant scheme that made approximately \$1.5M available annually to support strategic educational developments throughout UNSW. The funds support school and faculty initiated projects and initiatives aimed at enhancing the overall student experience and their educational outcomes through strategic investment in agreed educational priorities aligned to the 2025 Strategy.

A SEIF Grants Information Session was held for staff who are interested in submitting a proposal:

Date: Thursday 13 September

Time: 11am - 12:30pm

Location: Pioneer Theatre, AGSM

[Click here to access the slides from the session.](#)

2019 Funding Priority Areas for UNSW Scientia Education Investment Fund Grants

These grants will be evaluated and assessed against the 2025 measures of success and benefits with the following areas being given priority:

- Develop new, or significantly expand existing, fully online Masters offerings for UNSW students;
- Develop short, discipline specific, professional non-award courses linked to micro-credentials.

There is only one application form for the Scientia Education Investment Fund grant scheme and two levels of funding envelope. Grants may be allocated up to \$200,000 for large-scale projects that impact a large number of students (large here is relative to the faculty cohort) and up to \$50,000 for projects that are smaller in scale but significantly enhance the student experience and outcomes.

Eligibility

Selection process and criteria

UNSW Scientia Education Investment Fund Grants are open to all Faculties. The Dean (for SEIF #1) or Head of School (for SEIF #2) is considered the applicant. Project Leaders or those responsible for the conduct, management and deployment of project outcomes, must be full-time or part-time continuing members of UNSW staff. Conjoint, adjunct, fixed-term (less than 2 years) and/or casual staff may not be Project Leaders but may be members of project teams as approved by the Dean or Head.

UNSW SEIF Grant applications will be assessed by a panel chaired by the DVC(E), or nominee, against the following selection criteria, with grants allocated according to merit and strategic priority.

Selection criteria

- Alignment with 2025 Strategy priorities
- The potential usefulness of the proposed project and its outcomes and benefits in significantly improving UNSW's educational offerings or performance
- The strength of the conceptual and theoretical frameworks that underpin the proposed approach
- The appropriateness of the project's proposed leadership and management arrangements
- The appropriateness of the project's plans for the sustainability, evaluation, dissemination and integration of project outcomes and benefits in the practices of the applicant's Faculty/School or UNSW as a whole
- The appropriateness of the project's proposed budget and the strength of its justification.

How to apply

Large Scientia Education Investment Fund Grants (SEIF#1)

This project funding is to support the development, initial implementation and early evaluation of larger educational initiatives. There are no plans to allocate additional funding to sustainably implement educational changes recommended by the projects - a key principle of a project's development is the sustainability of the initiative when the project funding ceases.

It is anticipated that large projects may run across 2 calendar years with a maximum budget allocation of **\$200,000 per grant**. The budget can be used for the genuinely additional costs incurred in designing and delivering the project. It is expected that the project lead will justify the budget requested and how this funding will be used to develop, deliver and assess/evaluate the educational developments.

Application process

- Given the strategic nature of the projects that will be considered for support with a UNSW SEIF Grant, an early conversation with the Office of the PVC(E) would be appropriate (if required). Please contact the Office of the PVC(E) at LandTgrants@unsw.edu.au to arrange this.
- Information about the UNSW Scientia Education Investment Fund are available at: [UNSW SEIF Grants Information Booklet \(PDF, 320k, 8pages\)](#)
- The Application form with instructions is available at: [UNSW SEIF Grant Application Form \(Word doc, 100k, 5 pages\)](#)
- Submit your completed application form to your Faculty/Division Office by the internal deadline. Your Faculty/Division Office will lodge the application on your behalf to LandTgrants@unsw.edu.au by the closing date. Faculties are able to submit **up to 5 grant applications in total** (that is, up to 2 SEIF #1 and up to 3 SEIF #2 grant applications).

Small Scientia Education Investment Fund Grants (SEIF#2)

This project funding is to support the development, initial implementation and early evaluation of larger educational initiatives. There are no plans to allocate additional funding to sustainably implement educational changes recommended by the projects - a key principle of a project's development is the sustainability of the initiative when the project funding ceases.

It is anticipated that small projects will be completed within one calendar year with a maximum budget allocation of **\$50,000 per grant**. The budget can be used for the genuinely additional costs incurred in designing and delivering the project. It is expected that the project lead will justify the budget requested and how this funding will be used to develop, deliver and assess/evaluate the educational developments.

Application process

- Given the strategic nature of the projects that will be considered for support with a UNSW SEIF Grant, an early conversation with the Office of the PVC(E) would be appropriate (if required). Please contact the Office of the PVC(E) at LandTgrants@unsw.edu.au to arrange this.
- Information about the UNSW Scientia Education Investment Fund are available at: [UNSW SEIF Grants Information Booklet \(PDF, 320k, 8pages\)](#)
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- Submit your completed application form to your Faculty/Division Office by the internal deadline. Your Faculty/Division Office will lodge the application on your behalf to LandTgrants@unsw.edu.au by the closing date. Faculties are able to submit **up to 5 grant applications** in total (that is, up to 2 SEIF #1 and up to 3 SEIF #2 grant applications).

Timelines and closing dates

Round 2018

Proposals for projects to be funded by a **UNSW Scientia Education Investment Fund Grant** will be called ONCE in 2017 for full commencement in 2018.

Call for Proposals	30 August 2018
Internal Deadline for submission to Faculty/Division Office (Eg., ADE/DEAN)	12 October 2018 5pm
*Faculty/Division Offices to submit ranked applications to PVC(E)	26 October 2018 5pm
Assessment and Ranking of Endorsed Applications	19 November 2018
Notification of Outcomes to Applicants	12 December 2018

2019 SEIF Grant Recipients

Faculty	SEIF #	Project Leader	Project Title
Art & Design	1	A/Prof Tomasz Bednarz, A/Prof Simon McIntyre	Creative short courses for future focussed industries – Computer Graphics, Interactive Techniques, Simulation, and Social Robotics
Arts & Social Sciences	1	A/Prof Mira Kim	Elevating the Scalability, Availability and Sustainability of Personalised English Language Enhancement (PELE)
Science	1	A/Prof. Janelle Wheat	Science Continuing Education and Lifelong Learning Project
Engineering	1	David Kellermann	An analytics-driven Tailored Learning Platform for STEM modules
Law	1	Sharmaine Gewohn	CPD Direct - Legal Content Delivered Monthly
Business	2	Prof Michael Walpole	eBooks the Next Frontier: Enhancing and advancing the delivery and online learning platform for the Master of Taxation
Built Environment	2	Prof Chris Pettit	Developing new GIS micro-credentials courses to support the planning and design of rapidly urbanising cities

Business	2	Dr Louise Fitzgerald	Ethics for Finance: Online self-access learning resources to address building-block concepts
Science	2	Dr. Scott Sulway	Bridging the Gap in Science between High School and Undergraduate Education
Law	2	Bree Pryce	The Design of an Innovative, Industry-Led Legal Practice Management Course

2018 SEIF Grant Recipients

Faculty	SEIF #	Project Leader	Project Title <i>(Click on the title to view the final report)</i>
Business	1	Amanda Lockett	English language intervention for improved student experience and outcomes
School of Humanities and Social Sciences, UNSW Canberra	1	Deane-Peter Baker and Jian Zhang	Development of a micro-credentialed online gateway course for UNSW and PLuS Alliance
Mixed - CSE, EE&T, MME	1	Vidhyasaharan Sethu	Blending Emulated and Physical Laboratories – A Learning and Teaching Platform for Cyber-Physical Systems and Algorithms
Built Environment	1	Sepasgozar, S.	Mix Reality Construction Learning (for Construction and Architecture)
Cross-Faculty - Medicine	1	Patsie Polly	A UNSW Micro-Credentialing Ecosystem for Recognising Learning and Skills Attainment in Capstone Courses and Internships
Science	1	Luke Hunter	Threshold' vs. 'Expert' Knowledge: A New Way to Teach and Assess First-Year Chemistry
Art & Design	2	Karin Watson	<u>Evolving leadership, administration, professional development, and culture to establish a sustainable, scalable blended learning strategy</u>
School of the Arts and Media	2	Kremmer, Christopher	<u>The UNSW Global Citizen Publication Project</u>
School of Engineering and IT, UNSW Canberra	2	Keith Joiner	<u>Towards understanding changes in classroom environment required to engage post-graduate distance students on-line with formal assessments</u>

Mixed - Engineering - CVEN MME , UNSW LTU	2	Stefan Felder	Improved Learning Through Digital Resources and Hands-on Labs in Large Faculty- Level Undergraduate Courses
Built Environment	2	Dr Murray A., and Dr Muller, L.	Models as a Tool for Interdisciplinary and International Teaching and Learning in Art
Law	2	Ben Golder, Mehera San Roque, Paul Kildea	Developing an enhanced educational experience for international students in the Juris Doctor
Scientia Education Academy	2	Gary Velan	<u>Development and implementation of an education portfolio to evaluate excellence of teachers at UNSW</u>
POWCS	2	Dr Adrienne Torda	<u>The CLASSIE project – Clinically applicable student studies in Ethics, for Phase 3 medical students</u>
BABS	2	Wallace Bridge	On-line Joint UNSW/JHU postgraduate Commercial Biotechnology programs: Confirming and defining the opportunity
Banking & Finance	2	Henry Yip	<u>A learner-centred approach to attain significant learning of oral communication for AOL in MCom programs</u>

2017 SEIF Grant Recipients and Reports

Faculty	SEIF #	Project Leader	Project Title <i>(Click on the title to view the final report)</i>
Engineering	1	Gang-Ding Peng	<u>Interdisciplinary Student Design Platform for Interactive Internet-Of-Things Network</u>
Art & Design	1	Simon McIntyre	Learning Hubs - An adaptive, personalised, community centric education model
Business	1	Chris Styles	<u>UNSW Business School Integrated Learning Laboratory (i-Llab)</u>
Science	1	Simon Killcross, Branka Spehar	<u>Development of a fully online Graduate Diploma in Psychology (GDPsych)</u>
Arts & Social Sciences	1	Eben Kirksey	Innovation in the Master of Environmental Management (MEM) teaching program

Law	1	Anna Cody, Ben Golder	<u>Developing a Model for Integrated Practical Legal Training at UNSW Law.</u>
DVC(E)	1	Gary Velan	<u>Development and implementation of an education portfolio to evaluate excellence of teachers at UNSW</u>
Engineering	2	Ang Liu	<u>Deploy a Peer-to-Peer Learning System for more Personalized, Inclusive and Collaborative Learning</u>
Science	2	Louise Lutze-Mann	<u>Blended transactional learning: a sustainable feedback model for developing teaching capabilities of sessional staff</u>
Science	2	Elizabeth Angstmann	<u>STEM for school teachers. Link to the portal</u>
Business	2	Michael Cahalane, Felix Tan	<u>Demonstrating the potential of immersive technology and Serious Play in the Flipped classroom: An Integrated Approach to Experiential Learning</u>
Business	2	Christine Mathies	<u>Enhancing QILT Survey Outcomes</u>
Medicine	2	Chinthaka Balasooriya	<u>Designing, piloting and evaluating a process for formative peer-review of teaching</u> The appendix is available upon request
Medicine	2	Silas Taylor	<u>An application to facilitate mobile clinical Workplace-Based Assessments (CWAapp)</u>
UNSW Canberra	2	Elena Sitnikova	<u>Developing an assessment framework for large online cyber security courses to maximize student engagement</u>
Art & Design	2	Scott Brown	<u>Interaction Interface for Creative Enquiry into Social Robotics</u>
Built Environment	2	Harry Margalit	Mapping and streamlining the content of architectural design studios to align with the competency requirements of professional accreditation
DVC(E)	2	Diana Perche	<u>Indigenous Knowledge in Indigenous Studies Teaching at UNSW</u>

UNSW Learning and Teaching Grant recipients (2014 - 2016)

In 2014, UNSW established four competitive grants schemes aimed to support strategic educational development initiatives as outlined in the UNSW Learning and Teaching Strategic Plan 2014 - 2016.

This included both large and small scale educational development projects and the development and implementation of a number of strategically targeted Massively Open Online Courses (MOOCs).

Learning and Teaching Innovation *Grants* that aligned with 2014 – 2017 UNSW priority areas.

Building Legal Research Skills through the Development of Online Legal Research Modules

- Project Leaders: Michael Handler
- Faculty/School: Law
- [Download Report \(PDF, 2.4mb, 7 pages\)](#)

Creating blended learning opportunities to help students think like scientists in first year psychology courses

- Project Leaders: Branca Spehar and Simon Killcross
- Faculty/School: School of Psychology
- [Download Report \(PDF, 910k, 15 pages\)](#)

A Next-Generation Laboratory-Enhanced Learning Paradigm

- Project Leaders: Julian Epps
- Faculty/School: School of Electrical Engineering & Telecommunications
- [Download Report \(PDF, 630k, 11 pages\)](#)

Enhancing a Large Online Course using Interactive Web Technology

- Project Leaders: Jeremy Bailey
- Faculty/School: School of Physics
- [Download Report \(PDF, 420k, 9 pages\)](#)

A Scientific Skills Portfolio Approach to Laboratory Assessment

- Project Leaders: Scott Kable
- Faculty/School: School of Chemistry
- [Download Report \(PDF, 2.2mb, 12 pages\)](#)

The greatest show on earth: Engaging 1st year biology students through interactive on-line and practical content

- Project Leaders: Stephen Bonser

- Faculty/School: School of Biological, Earth and Environmental Sciences
- [Download Report \(PDF, 300k, 10 pages\)](#)

Video and Online Support for Blended Learning in Large Stage 1 Maths Courses

- Project Leaders: Norman Wildberger
- Faculty/School: School of Mathematics and Statistics
- [Download Report \(PDF, 2.3mb, 7 pages\)](#)

Enhancing Student's Learning Experience using Peer Instruction, Tutorial-Lecture swapping and improved Assessment/Feedback Techniques

- Faculty of Engineering
- Dr Furqan Hussain
- [Download Report \(PDF, 2.7mb, 10 pages\)](#)

English Language Acquisition Support for International Students (ELASIS)

- Faculty of Arts & Social Sciences
- Dr Mira Kim
- [Download Report \(PDF, 370k, 9 pages\)](#)

An introductory Pathology course as a model for using a blended learning approach in large group teaching

- Faculty of Medicine
- Prof Gary Velan
- [Download Report \(PDF, 2.5mb, 9 pages\)](#)

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Document Version Date 13/09/2019

UNSW CRICOS Provider Code: 00098G

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