

Overview

The Pace University Office of Research invites proposals for funding of up to \$5,000 to support the incorporation of authentic research and creative inquiry projects into the undergraduate curriculum. We are particularly interested in proposals that will create research experiences across disciplines and schools in courses that are dedicated (partly or entirely) to first-year students. Our goal is to make unique classroom-based research projects part of our first-year students' introduction to Pace and to the experiential pedagogy that distinguishes Pace undergraduate education.

Background and Description

Since 2020, the Classroom-Based Undergraduate Research Experiences Awards have helped to expand Pace's research-based experiential learning opportunities in the classroom. The Classroom-Based Undergraduate Research Experiences Awards respond to recent research and to demonstrated strengths among our faculty in research-driven pedagogy.

Compelling evidence shows that the pedagogy of undergraduate research, which incorporates inquiry-based learning and research methods into classroom teaching, significantly benefits both students and faculty. Studies also show that early introduction to research activities in a classroom setting increases the overall number of students engaging in research and advances diversity, equity, and inclusion among student researchers.

For this award program, we seek projects that engage students in research, defined as a process that seeks answers to a research or creative question for which the outcome is unknown using discipline-appropriate research methods. This definition aligns with the Council on Undergraduate Research (CUR)'s definition of undergraduate research and creative inquiry: "With an emphasis on process, CUR defines undergraduate research as a mentored investigation or creative inquiry conducted by undergraduates that seeks to make a scholarly or artistic contribution to knowledge."

The proposed project should be for either a new or existing course in the Instructor/PI's field of expertise. The course should be designed to develop new avenues of inquiry that involve students in experiential learning through research or creative inquiry.

Award Funding and Deadline

Three to four grants of up to \$5,000 (placed in a Scholarly Research Account) will be awarded. The funds can be used for course release (upon college approval), summer salary and/or research supplies. Applications are encouraged from full-time faculty in any discipline and across all schools.

The deadline for proposal submission is **Friday, March 24, 2023 at 5pm.**

How to Apply

Proposals should articulate the project's driving research question(s) and explain how research/creative inquiry will be operationalized in a course-based context. Awardees are required to implement their classroom-based research designs in the Fall or Spring semesters of the 2023/2024 academic year. Proposals must include a section that identifies anticipated student learning outcomes and how they will be assessed. More details are available in the "Instructions for Application Preparation" below.

Resources

Past Classroom-Based Undergraduate Research Experiences Award Winners

<https://www.pace.edu/office-of-research/funding-opportunities/internal/classroom-based-research-awards-winners>

Designing and implementing classroom research in a report from the National Academies Press:

<http://www.nap.edu/catalog/21851/integrating-discovery-based-research-into-the->

Classroom-based research experiences from CURENET:

<https://serc.carleton.edu/curenet/index.html>

Council on Undergraduate Research (CUR) articles:

[Course-based Undergraduate Research Experiences \(CUREs\)](#)

<https://www.cur.org/engage/mentors/assessment/toolkit/>

[First-year Undergraduate Research Experiences](#)

Go to <https://undergraduateresearch.pace.edu/resources/#CUR> to become a CUR member for free under Pace's Enhanced membership and download more resources.

Instructions for Application Preparation – please use the proposal template below starting on page 4.

Eligibility

Full-time clinical, tenure-track or tenured faculty are eligible to apply

A faculty member may submit only one proposal to the Classroom Based Undergraduate Research Experiences Award

Applications are invited from faculty members in any discipline

Previous Classroom-Based Research Experiences Award winners are not eligible to apply

Proposal Format

Each proposal must be a maximum of 6 pages (single spaced, 12 pt. font, one-inch margins).

Signature Page (one page)

Title Page and Summary (one page)

Project title, your name and school, and a 200-word summary of the research question(s) under study

Project Description (three pages). Please type your project description in Word and append it to the proposal

Contribution of the project to the field of study/discipline. Describe research questions and their significance.

The method(s) by which the research question will be tackled by students in a classroom setting or curricular context.

Explain how and why the design is appropriate for undergraduate or graduate education. For example, how does it align to their needs, talents, and interests?

Implementation timeline specifying how the research aspect/project will be integrated into the course.

Assessment of the project's impact on student learning (e.g. surveys of student attitudes to research or assessment of learning, etc). In addition to answering the proposed research questions, what will students know and be able to do upon completion of the course?

Budget (one page)

Use the template provided on page 8 to briefly describe your budget and justify the expenses requested. You can request course released time, summer salary, materials/supplies, or graduate assistant stipends etc.

Additional Required Information (not included in 6-page limit)

Citations can be added on a separate page(s). Citations are references to the work of others as part of your background or to support your approach.

Current and Pending funding

Append a bio or biosketch (use the bio template below or append an NIH/NSF biosketch)

Proposal Submission

Proposals must be submitted via our [online submission system](#) as a single PDF and contain the following:

Signature Page

Title Page

Project Description

Budget and budget justification

Additional Required information (citations, biosketch and current and pending grants)

Proposal Review and Evaluative Criteria

Applications will be evaluated on the basis of the following merit criteria:

Contribution of the project to the field of study/discipline

The method(s) by which the research question will be tackled in a classroom

Implementation timeline specifying how the research aspect/project will be integrated into the course

Assessment of the project's impact on student learning

Ability of the project to reach first-year students

We anticipate that the awards will be made in May 2023.



SIGNATURE PAGE

Please include your name, the names of the Department Chair, and the Dean, and leave the signature fields empty. (The Office of Research will obtain the signatures via Adobe Sign following the submission of your application).

A. Signature Page:

Title of Proposal:

Pace School/College:

Department:

Principal Investigator

Name:

Signature: _____ Date: _____

Department Chair

Name:

Signature: _____ Date: _____

Dean

Name:

Signature: _____ Date: _____

PI:

CoPI should sign on this page. If there is more than one CoPI, please attach additional CoPI signature pages.

Title of Proposal:

Pace School/College:

Department:

Co Principal Investigator

Name:

Signature: _____ Date: _____

Department Chair

Name:

Signature: _____ Date: _____

Dean

Name:

Signature: _____ Date: _____

PI:

B. Project Title Page and Summary (one page):

- PI Name:
- Pace School/College:
- Proposal Title:
- Proposal Summary (200 word maximum):

PI:

C. Project Description - 3 pages maximum

Please type your project description in Word and append it to the proposal.

Contribution of the project to the field of study/discipline. Describe research questions and their significance.

The method(s) by which the research question will be tackled by students in a classroom setting or curricular context. Explain how and why the design is appropriate for undergraduate or graduate education. For example, how does it align to their needs, talents and interests?

Implementation timeline specifying how the research aspect/project will be integrated into the course.

Assessment of the project's impact on first year student learning (e.g. surveys of student attitudes to research or assessment of learning, etc). In addition to answering the proposed research questions, what will students know and be able to do upon completion of the course?

PI:

D. Budget (one page)

You can request course released time (at adjunct rates, with approval from your Chair and Dean), summer salary, materials/supplies or graduate assistant stipends etc. Please use this form and justify all expenses requested. The total request must not exceed \$5,000.

| Item | Amount | Fringe Benefits* | Total |
|--------------------|--------|------------------|-------|
| Supplies | | | |
| Research Assistant | | | |
| Travel | | | |
| Other*** | | | |
| | | | |

* *Fringe on summer salary is 8.30%*
Fringe on part-time research assistants is 13.40%

** *Course release may be requested at adjunct rates. Please include any applicable fringe benefits.*

*** *Please describe in budget justification, if requested.*

Budget Justification (use the rest of this page only)

PI:

E. Additional Required Information (not included in the 6 page limit)

(i) Citations can be added on a separate page(s)

(ii) Current and Pending Funding

If you have grant support please describe it briefly here. If you recently applied for a grant then please describe that as well. If you have neither, state 'none'.

(iii) Append a Biosketch to the proposal. A biosketch template is on the next page.

Alternatively, include your current NSF or NIH biosketch if you have one.

PI:

BIOSKETCH

Provide current 2-page biosketch in NSF format, or complete the following form (no more than 2 pages).

Name:

Rank:

Department:

School:

Telephone:

Email:

Education: (bachelors and above, include dates)

Academic and professional recognition: (awards, invited talks at conferences, service on committees of societies, editorships of journals, etc.)

PI:

Research History: List five most recent publications/books/performances or other significant scholarly achievements.

Synergistic Activities: Include service such as review committees; community outreach, broadening participation of undergraduates in research etc.

Educational and Training Experience (last five years only): List PhD students (active and graduated), Master's students, mentoring of undergraduate students, special teaching activities and curriculum development activities.

List of Suggested Reviewers or Reviewers Not To Include (optional)

SUGGESTED REVIEWERS:

REVIEWERS NOT TO INCLUDE:

PI:

Checklist

Proposals must be submitted **as a single PDF** and contain the following:

- ☐ Signature Page(s)
- ☐ 1-page Title Page and Summary
- ☐ 3-page project description
- ☐ 1-page budget and budget justification
- ☐ Additional pages including citations, current/pending funding and biosketches

Each complete proposal must be uploaded as a single PDF onto our online submission site by
Friday, March 24, 2023 at 5pm.

[Online Submission Form](#)

Questions?

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