

Eberly Center

Teaching Excellence & Educational Innovation

Request for Applications: Generative Artificial Intelligence Teaching as Research (GAITAR) Fellowship 2023

APPLICATIONS DUE: NOVEMBER 1, 2023 | DECISIONS MADE BY: NOVEMBER 30, 2023

Can generative AI tools (such as ChatGPT, Dall-E, Copilot) enhance student learning and equity? In what teaching contexts? For which learning objectives?

Generative AI TAR Fellows receive a **\$5000 award** and **copious in-kind support** from a team of Eberly Center colleagues to:

- **design and implement a teaching innovation** using a **generative AI tool** in a Spring, Summer, or Fall 2024 CMU course;
- **measure the impacts** of the innovation on student learning; and **disseminate findings** at CMU and beyond.

Fellows also **participate in a special interest group** of instructor-scholars and **meet several times** during the lifecycle of their project to build a CMU community of practice and share lessons learned regarding implementation and the student experience. A proposed teaching innovation using a generative AI tool can be small in scale, focused on one or more classroom activities or assignments.

*Innovations do **NOT** require development of new tools.*

Participation in the **TAR Institute** is an excellent opportunity to explore potential applications and study designs that would jump-start a proposal (but not required for consideration).

Eligibility

- All CMU instructors of record (faculty, staff, postdoc, graduate students) teaching on Pittsburgh or Doha campuses are eligible to apply.
- Prior experience with generative AI or educational research is NOT required.
- Generative AI TAR projects must be implemented in a Spring 2024, Summer 2024, or Fall 2024 course with an expected minimum enrollment of 10 students.

Expectations

This fellowship program involves a regular commitment from the Fellows:

- Attend Fellows special interest group (SIG) meetings twice a semester during the fellowship year (S24-F24),
- Participate in asynchronous activities to support the Fellows SIG meetings,
- Work with Eberly consultants individually on project implementation,
- Collect data (with Eberly's help) on faculty and student learning gains and experiences, with at least one direct measure of student outcomes,
- Contribute materials and resources to help the Eberly Center disseminate teaching strategies and lessons learned, and
- Disseminate one's project (or part thereof) to CMU colleagues and/or beyond, in at least one of the following ways:
 - presenting at a CMU Teaching & Learning Summit and/or Spotlight on Innovative CMU Teaching event;
 - disseminating on the [Eberly Center TAR website](#); and
 - submitting to paper to a peer-reviewed journal or conference, with Eberly Center in-kind staff support or collaboration.

Application and Submission

To apply, **fill out this short Google Form**, which includes the following questions:

- Describe your experience with and interest in Generative AI tools. Note: prior experience is NOT required.
- What course does your project target?
- Who are your students? How many do you expect to enroll?
- What specific question do you hope to answer about generative AI and student outcomes, with Eberly Center help?
- Describe your proposed research project. What Generative AI tool will you plan to use and how? What parts of your course are impacted?
- How might your use of generative AI enhance student learning?
- How might this use of generative AI enhance equity in your course (e.g. support students with different levels of preparation or academic backgrounds, address differences in student outcomes, etc.)?
- What student course work could you use as data to answer your question?
- What are other ways you could measure impacts on students?
- How could you include a control condition or comparison group (within a semester or across two semesters) to help measure impacts?
- How will this fellowship and working with the Eberly Center benefit you professionally?
- How would completing this project benefit colleagues teaching in your discipline and beyond?
- What are the major milestones of the project and your timeline for completing them (with Eberly Center help)?

APPLICATIONS DUE: NOVEMBER 1, 2023

If you have questions about the application or the fellowship, email eberly-assist@andrew.cmu.edu. We encourage you to request a consultation on your project idea prior to submitting a proposal. Eberly colleagues can meet with each applicant once before the due date. We will not review actual proposals, but can discuss the requirements, try to answer your questions, and provide feedback on your ideas for research questions, teaching strategies, and/or plans for measuring impacts.