Temple University
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of Teaching

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Loretta C. Duckworth Scholars Studio

Innovative Teaching with Makerspace Technology Grant
Sponsored by the Loretta C. Duckworth Scholars Studio, University Libraries and the Center for the Advancement of Teaching (CAT)

We invite faculty to submit an application for the *Innovative Teaching with Makerspace Technology Grant*. The Loretta C. Duckworth Scholars Studio Makerspace, located in Charles Library, provides a hands-on environment in which students can work with a variety of digital fabrication tools, virtual reality and electronics technologies to explore and develop new ideas.The grant will enable faculty to use these technologies to build a richer and more engaging learning experience for students. The tools can be used in courses taught in any modality--online, in-person or hybrid. Recent grant awardees have included faculty from disciplines that include Anthropology, Teaching and Learning, Film and Media Arts, Criminal Justice and Kinesiology, among others. The Makerspace tools, which include immersive media technology (virtual reality), 3D reconstructions, text-mining, mapping and GIS software, can be embedded in assignments and projects to provide students the experience of using technologies that they may use in the future. Faculty will be awarded grants of up to $3,000 to cover costs for any materials that faculty and students will need to use the tools in Fall 2022 or Spring 2023. **Applications are due May 20, 2022.**

Faculty who are awarded the grant will be expected to commit to the following:
- Receive any necessary pedagogical or technological training on using the tools from the Loretta C. Duckworth Scholars Studio or the Center for the Advancement of Teaching before the semester in which the tool is implemented. Support may include meeting (on-site or virtual) with a consultant to plan effective use of the tool.
- Test the use of the tool before implementing it in the classroom.
- Submit a syllabus plan for implementation by August 1, 2022 for the Fall 2022 semester or December 1, 2022 for the Spring 2023 semester.
- Pilot the chosen tool in a class in Fall 2022 or Spring 2023.
- Submit a one-page project completion report within a month of the end of the semester.

Grant awardees will receive:
- Group and individual support and training in how to effectively use makerspace technologies to engage students and help them to learn. Support will be available on-site and/or virtually and may include shipping of equipment and supplies as necessary.
- Up to $3,000 to cover the cost of materials needed to implement these technological projects in the pilot semester. Amount depends on the number of students and the type of technology chosen.

- Opportunity to present your experiences with the technologies at the Annual Conference on Teaching Excellence in January 2023 and/or The Scholars' Studio Digital Showcase in April 2023.

Application

Innovative Teaching with Makerspace Technology Grant

Please submit a document that responds to each of the following questions in fewer than 250 words.

1. Which makerspace tool would you like to use in your course? In which course will you be using it? What modality are you teaching the course? How do you envision using it?
2. Explain how the use of this makerspace tool will improve engagement and/or learning for your students. How might it be an improvement over your current practice?
3. How will you help your students develop the skills needed to use the tool effectively?
4. Describe your experience with the use of technology for teaching.
5. What is the timeline for implementation of the tool?
6. Provide an estimated cost for the project. Loretta C. Duckworth Scholars Studio consultant can help you with this task. Remember to think about the number of students who will need to use the tools and whether they will be individual or group projects.

A consultation may be helpful to you as you consider these questions. To set up a consultation, please contact **Jordan Hample** at jordan.hample@temple.edu. We encourage you to attend the workshop **Makerspace Technologies to Help Your Students Learn:** *An Introduction to the Innovative Teaching with Technology Grant* on April 13th at 11am where we will showcase the Makerspace tools and provide ideas for how you might use them in the classroom.

Once you have completed this section of the application, please submit your document as a Word Document or PDF. Applications are to be submitted online by May 20, 2022. Click here to submit your application.

For questions, please contact Naomie Nyanungo, Director of Educational Technology at the CAT at naomie.nyanungo@temple.edu.

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