

Invitation for Funded Curriculum Proposals

/ Description of the Grant

Each 2022 Ansys Education Grant for colleges and universities supports an instructor or team to develop uses of technology that enhance the targeted degree programs and courses. The grant can include several elements of support:

- A grant of up to \$25,000 for a series of courses or Ansys certificate program within a department with \$5,000 considered per individual course
- Dedicated Ansys Education Development Manager for guidance and technical assistance

This cash grant can be used for:

- Costs associated with instructors, teaching assistants and/or students supporting the project
- Purchase of additional course or project materials, including hardware

/ Eligibility Requirements

This grant program is competitive. To be considered for a 2022 Ansys Education Grant, college and university applicants must:

- Be an existing Ansys customer with preference towards Multiphysics Campus Wide Solution customers.
- Be an accredited public or private, four-year tertiary educational institution.
- Be an organization that is consistent with Ansys [non-discriminatory policies and practices](#).
- Meet the [minimum infrastructure requirements](#) to support the use of the technology.

/ Review Criteria

To be considered to receive an award, you must provide a document outlining everything listed in the “Course Description” section at the bottom of this document via the form [found here](#). Criteria to evaluate the proposals will include, but will not be limited to, the following:

Primary criteria

1. The lead instructor must demonstrate familiarity with Ansys tools.
2. Innovations that enhance learning in at least one of the following undergraduate degree programs:
 - a. Engineering (Aerospace, Mechanical, Electrical, Computer, Chemical, Civil)
 - b. Computer science
 - c. Natural sciences (physics, chemistry, biology, physiology)
 - d. Industrial and Product Design
 - e. Sustainability
3. Describe a project team that includes:
 - a. One or more instructors who will use the technology for teaching
 - b. An expert advisor in teaching/learning and/or instructional technology
 - c. Approval of the project from a lead administrator (dean, rector, department head or equivalent) responsible for the degree program

Preference will be given to proposals and educational institutions that

1. Assess existing pedagogy in the subject area, introduce novel uses of Ansys tools in that field, and describe the enhancements to learning afforded through implementation of those tools.

2. Include multi-department and/or multi-university collaborations.
3. Develop new classes that contribute to or complete a full curriculum track using Ansys products.
4. Serve significant numbers of underrepresented, low-income, or otherwise marginalized populations of students.
5. Enhance required courses rather than elective courses (to ensure broad impact).
6. Identify compelling features of the proposed curriculum that will drive adoption at other institutions.
7. Have a source of matching funds that will be applied to this project, should it be selected.
8. Are willing to make any lectures, homework assignments, or supporting materials developed for the course as part of this grant available to Ansys for reuse in educational content.

/ Grant Recipient Commitment

By accepting the grant award, the successful applicants and university make the commitment to:

1. Complete the proposed grant project.
2. Assign one person on the team to be the primary point of contact for Ansys and who will be responsible for communicating important grant-related information to the entire team.
3. Make themselves available for interviews for blogs, articles, case studies as opportunities arise. Provide quote for Ansys press release when relevant. Provide permission to use university logo as it relates to the partnership.
4. Provide Ansys with private project update reports at major milestones defined in the proposal.
5. Provide a review of the course, including student feedback.

/ Application Process

1. Answers to the questions posed in the application document must be provided in English.
2. You will receive an e-mail confirming the receipt (but not completeness or content) of your proposal within 48 business hours after the submission deadline.

/ Key Dates

- Proposal submissions are now open.
- Proposal submissions deadline: September 15, 2022.
- Notification of recipients: Ansys will make award announcements no later than October 15th, 2022.
- Start of projects: From November 2022
- Incorporation of curriculum: 2023-2024 academic year as completed
- Report on outcomes following use of curriculum.

/ Course Description

Please complete the following by completing a Word document outlining the following information. Any incomplete submissions will not be considered. Once the below is completed – please submit via the link [found here](#). Reach out to Bridget Ogwezi at bridget.ogwezi@ansys.com with specific questions not covered here.

1. Course title
2. Course rationale: clearly describe why this course is important by explaining the fundamental teaching and learning issues it addresses and quantifying the number of students it affects.
3. Project description: describe how the awarded funds and Ansys technology will be used to address the issues expressed in the course rationale.
4. Course assessment: include plans for measuring the success of the project in terms of student learning outcomes, such as improved grades, increased enrollment and retention, improved performance on recognized tests, and/or increased quality of student projects in comparison with baseline data from the years prior to this project.
5. Dissemination: describe plans for communicating project outcomes on campus and beyond, and plans for promotion, dissemination, and adoption of the curriculum by faculty at other institutions.

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