Grant Title: TRANSFORMING UNDERGRADUATE EDUCATION IN SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (TUES)

Funding Opportunity Number: 10-544. CFDA Number(s): 47.076.

Agency/Department: National Science Foundation.

Area of Research: Improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students.

Release and Expiration: Release Date: March 01, 2010.

Application Deadline: For Type 1 proposals from submitting organizations located in states or territories beginning with A through M: May 26, 2010; May 26, 2011; May 28, 2012. For Type 1 proposals from submitting organizations located in states or territories beginning with N through W: May 27, 2010; May 27, 2011; May 29, 2012. For Type 2 and 3 proposals and TUES Central Resource Project proposals. However, TUES Central Resource Project proposals for small focused workshops may be submitted at any time after consulting with a program officer: January 14, 2011; January 13, 2012; January 14, 2013.

Amount: Type 1 Projects - 70 to 75 awards expected. The total budget may not exceed $200,000 ($250,000 when four-year colleges and universities collaborate with two-year colleges). Type 2 Projects - 20 to 25 awards expected. It is expected that the total budget for the majority of awards will be $300,000 to $600,000. The total budget may not exceed $600,000. Type 3 Projects - 3 to 5 awards expected with a budget that fits the scope of the project. It is expected that the total budget for the majority of these awards will be $1,000,000 to $5,000,000. The total budget may not exceed $5,000,000. TUES Central Resource Projects - 1 to 3 awards expected, each with a budget and duration that fits the scope of the project. For example, small focused faculty professional development workshop projects will have a total budget up to $100,000; large scale projects will have a total budget of $300,000 to $3,000,000. The total budget may not exceed $3,000,000.

Length of Support: Type 1 Projects - 2 to 3 years. Type 2 Projects - 2 to 4 years. Type 3 Projects - 3 to 5 years. TUES Central Resource Projects - 1 to 2 years; large scale projects will have a duration of 3 to 5 years.

Eligible Applicants: Unrestricted.

Summary: The title of the program was changed from "Course, Curriculum and Laboratory Improvement CCLI" to "Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics (TUES)" in order to emphasize the special interest in projects that have the potential to transform undergraduate STEM education. The Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics (TUES) program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. This solicitation especially encourages projects that have the potential to transform undergraduate STEM education, for example, by bringing about widespread adoption of classroom practices that embody understanding of how students learn most effectively. Thus transferability and dissemination are critical aspects for projects developing instructional materials and methods and should be considered throughout the project's lifetime. More advanced projects should involve efforts to facilitate adaptation at other sites. The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies to reflect advances both in STEM disciplines and in what is known about teaching and learning. It funds projects that develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, prepare K-12 teachers, or conduct research on STEM teaching and learning. It also supports projects that further the work of the program itself, for example, synthesis and dissemination of findings across the program. The program supports projects representing different stages of development, ranging from small, exploratory investigations to large, comprehensive projects.
