For the purpose of informing interested faculty, please be aware of the following opportunity:

**NSF-10-544: Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES)**

*(If you are interested in submitting for this opportunity please submit a Notification of Interest to Dr. Greg Reed (gdreed@utk.edu) by 3/5/2010. This submission will enable the Office of Research to assist in areas such as team formation, partnership opportunities, etc.)*

The Directorate for Education and Human Resources, National Science Foundation, is seeking applications for the Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics (TUES) Program. 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 is accepting proposals under this solicitation for awards at three levels of support, designated Type 1, Type 2, and Type 3, as well as for awards for projects that support the work of the program itself. The types reflect a combination of the scale, scope, and stage of the proposed work. The scale of the work refers to the number of institutions, faculty, and students with whom the work engages. Scope refers to the range of project components involved. Stage refers to the place of the work along a continuum from early conceptual development through deployment of mature, well-tested approaches. Type 2 and 3 projects will typically reflect greater dependence on previous work, supported by the TUES program or by other sources, and may be at a more mature stage of development than Type 1 projects. However, the Types are
independent, and the choice should be made based on the resources required to achieve the desired outcomes. In every case there should be the potential for lasting improvement in the quality of instruction.

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.

For detailed information about this opportunity please see the program description (NSF-10-544). To find more opportunities from this agency, please see here.

It is anticipated that $35.8M will be available to support 70 - 75 Type 1 awards, 20 – 25 Type 2 awards, 3 – 5 Type 3 awards, and 1 – 3 TUES Central Resource Project awards. Cost sharing is not required. Please see the solicitation for complete award information.

**Deadline for Type 1 Proposal to OR-Sponsored Programs:** 5/20/2010
(Please see the solicitation for complete application & submission information.)

Please contact Sponsored Programs (4-2402) with questions regarding proposal submission requirements for all tracks.

**Deadline for Type 1 Proposal Submission to Agency:** 5/27/2010

**Deadline for Type 2, 3 & TUES Proposals to OR-Sponsored Programs:** 1/07/2011
(Please see the solicitation for complete application & submission information.)
Please contact Sponsored Programs (4-2402) with questions regarding proposal submission requirements for all tracks.

**Deadline for Type 2, 3 & TUES Proposals Submission to Agency:** 1/14/2011

If you have any questions regarding this announcement please contact:

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