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ED 5320 Educational Technology

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Educational Technology

ED 5320

University of Texas at Dallas

Course Description

This course addresses two key technological issues that directly impact education: information overload and non-linear processing. These same challenges offer the key to effective design and integration of web-based media into the classroom learning environment. By presenting educational technology as an open framework, teachers, administrators, researchers and curriculum developers will learn how to select/apply appropriate tools and develop/adapt to relevant resources that simplify and enhance their classroom teaching and everyday tasks. Anxiety is transformed into a natural productivity. Activities focus on process skills that are emphasized at all grade levels and facilitate integration across the curriculum. Techniques for fostering critical thinking and higher level reasoning are modeled, then related to specific participant issues. Topics include using various tools – i.e., communication, text, graphics, database, productivity, audio/visual, and presentation – and resources – i.e., the World Wide Web, your professional peers, outside field experts, other educators, and especially your own creativity!

Emphasis is placed on the use of technology to support the teaching and learning process. Information about specific instructional applications is presented to provide concrete examples of principles and procedures. Focuses on electronic instructional media, multimedia, telecommunications, multiuser networks, and their real-world applications to the classroom. (3 semester hours)

The course content is focused on the Technology Applications Standards I-IV, specifically Competency 009 of the Pedagogy and Professional Responsibilities Test Framework. Delivered completely online, the course pedagogy demonstrates critical aspects of technology integration across all Domains I-IV. Learning objectives include:

1. to execute and evaluate the pedagogical soundness of educational technologies modeled in an asynchronous, online course.
2. to compare/contrast tools and resources to develop strategies for improving educational practice within their field.
3. to hypothesize the benefits and risks of implementing information technologies in education and to construct electronic media to support their ideas for enhancing teaching and learning with educational technologies

A detailed syllabus is available at <http://www.utdallas.edu/~rnix/>.

Faculty



Rebekah K. Nix, Ph.D.

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Dr. Nix is a Senior Lecturer in the School of General Studies. She teaches educational technology courses in the Teacher Development Center's certification program and other educator workshops. A graduate of Curtin University of Technology in Perth, Western Australia, her research interests focus on the learning environment, specifically with regard to information technology integration and professional development.

Materials

To see a complete list of materials needed for your course, as well as any important notes and instructions provided by your instructor, visit the [UTTC Bookstore](#).

History

For over 5 years, Dr. Rebekah K. Nix has delivered this course content to a diverse audience in on-campus settings at UT Dallas, integrated into a variety of professional development workshops, and online through the UT TeleCampus. Initially delivered by UT TeleCampus in Spring 2000, this online offering was authored by Dr. Rebekah K. Nix of the University of Texas at Dallas.