Education-Instructional Technology (ETEC)

Courses

ETEC 500. Foundations in Instructional Education. 4 Units.
Introduction to instructional technology and its foundations. Includes electronic media, operating systems, networks and multimedia in educational and corporate environments. This is a prerequisite for all other ETEC courses; an IT orientation with program faculty/advisors will be part of the first week of the course. Formerly ETEC 547.

ETEC 501. Foundations of e-Learning. 4 Units.
Introduction to theoretical and practical foundations of e-Learning. Explorations of history, trends, current issues, and practices of e-Learning.

ETEC 537. Computer Based Technology in Education I. 4 Units.
Operations, terminology and components of computing systems. Emphasis on the appropriate use of computer-based technology for information collection, analysis and management in the instructional setting. No programming or previous computer experience required. With program approval, students may take CSE140 or CSE 141 in lieu of ETEC 537. One hour lecture and two hours laboratory. Meets Level I competencies for the preliminary credential.

ETEC 541. E-Learning Design and Development. 4 Units.
Examination and application of e-Learning design and development principles and practices.

ETEC 542A. Seminar in Instructional Technology. 1 Unit.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 542B. Seminar in Instructional Technology. 2 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 542C. Seminar in Instructional Technology. 3 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 542D. Seminar in Instructional Technology. 4 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 543. Technology and Learning I. 4 Units.
Prerequisites: ETEC 500
Explores connections between technology and the teaching and learning process through current research in instructional technology and learning theories.

ETEC 544. Design and Development of Instructional Materials I. 4 Units.
Prerequisites: ETEC 500
Examination of various models of instructional design and procedures used in the production of instructional materials.

ETEC 546. Computer Based Technology in Education II. 4 Units.
Application of computer-based technology for information collection, analysis and management to support teaching, learning and learning environments. Meets technology competencies for the professional credential. Three hours lecture and two hours laboratory.

ETEC 614. Needs Assessment: Issues and Techniques. 4 Units.
Prerequisites: ETEC 500, 543, and 544 or consent of instructor
Principles and techniques in identifying needs and discrepancies between status quo and ideal status from the perspectives of organizational and instructional development. Formerly ETEC 612.

ETEC 617. Instructional Development and Change Process. 4 Units.
Prerequisites: ETEC 500, 544, and 614 or consent of instructor
Theories and methods for evaluating each stage of instructional product development processes and change theory relate to adoption of instructional products. Formerly ETEC 611.

ETEC 621. Reading/Language Arts with Technology Integrations. 4 Units.
Prerequisites: ETEC 546 or equivalent
Using technology to enhance teaching of literacy and language. Emphasis is on building curriculum that effectively uses computers and other technology. Staff development and leadership in designing models of integration into language arts will be explored. Three hours lecture and two hours laboratory.

ETEC 623. Technology for Educational Leaders. 4 Units.
Prerequisites: ETEC 500 or consent of instructor
Assisting educational leaders in developing the knowledge and skills needed to apply computer technology to educational settings.

ETEC 624. Website Design and Development. 4 Units.
Prerequisites: ETEC 500. Formerly a topic under ETEC 676D
Planning, designing and developing dynamic websites for learning.
ETEC 625. Interactive Animation Design and Development. 4 Units.
Prerequisites: ETEC 500
Planning, designing, and developing vector graphics, animation and interactive multimedia for learning. Formerly a topic under ETEC 676D.

ETEC 634. Information Systems in Education. 4 Units.
Information systems providing history, current development and future potential of on-line and off-line data bases. Methods of search and retrieval of on-line and off-line information will be explored. Three hours lecture and two hours laboratory.

ETEC 643. Technology and Learning II. 4 Units.
Prerequisites: EDUC 607, ETEC 500 and 543
Explores connections between technology and the teaching and learning process through a study of research design, data collection and analysis. Emphasis on conducting research in instructional technology and learning theories for M.A. research project.

ETEC 644. Design and Development of Instructional Materials II. 4 Units.
Prerequisites: ETEC 500 and ETEC 544
Advanced application of instructional design models and procedures to produce instructional materials for the M.A. project.

ETEC 648. E-Learning Delivery and Evaluation. 4 Units.
Examination of various models, strategies, and issues of e-Learning delivery. Exploration of assessment on student learning and e-Learning effectiveness.

ETEC 674. E-Learning Technology and Media. 4 Units.
Examination of current technology tools and instructional methods for effective instruction on e-Learning.

ETEC 676B. Advanced Topics in Instructional Technology. 2 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676C. Advanced Topics in Instructional Technology. 3 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676D. Advanced Topics in Instructional Technology. 4 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676E. Advanced Topics in Instructional Technology. 5 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676F. Advanced Topics in Instructional Technology. 6 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676G. Advanced Topics in Instructional Technology. 7 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 692. Practicum in Educational Technology. 4 Units.
Prerequisites: ETEC 500 or consent of instructor
Application of educational technology theories in field settings. Directed experiences in educational or corporate settings. Requires a written agreement with a sponsoring agency and departmental approval of that agreement. Graded credit/no credit.

ETEC 699. Masters Degree Project. 4 Units.
Assisting Instructional Technology Masters students in completing their M.A. project.

ETEC 999. Comprehensive Examination. 0 Units.
Prerequisites: advancement to candidacy, approval of department, completion of course work in the masters program, and in good academic standing
An assessment of the students ability to integrate the knowledge of the area, show critical and independent thinking and demonstrate mastery of the subject matter.