GENERIC SYLLABUS
(updated 2001)

ETEC 620 (EDUC 676)
EDUCATIONAL TECHNOLOGY 620
INFUSION OF TECHNOLOGY IN THE CURRICULUM

PREREQUISITES
Basic computer competency needed.

COURSE DESCRIPTION
Credit 3 hours. This course will provide students with current information on the latest developments in technology. The primary focus of the course will be upon the infusion of technology, into the curriculum for the purpose of improving student achievement across all subject areas.

In order to successfully plan, develop, and implement curricula to meet the needs of diverse learners in today's world and to prepare students for the future, the College of Education and Human Development (COEHD) has identified four critical components of The Effective Educator: standards-based instruction (SBI), knowledge of the learner (KL), best pedagogical practices (PP), and content knowledge (CK).

RECOMMENDED TEXTBOOK
International Society for Technology in Education (2000). National Educational Technology Standards for Students: Connecting Curriculum and Technology. Eugene, OR: International Society for Technology in Education.

COURSE OBJECTIVES
Upon completion of this course, the students will:
1. Locate appropriate software and effectively integrate it into lessons for the purpose of improving student achievement.
2. Use the major Internet tools to locate informational resources for K-12 teaching.
3. Locate important web sites in specialty areas (e.g., social studies, English, reading, science, etc.).
4. Evaluate the quality of Internet educational sites and materials.
5. Successfully integrate Internet-based resources into lesson plans and develop an integrated curricular unit that requires teachers and students to utilize information on the Internet.
6. Access, review, evaluate, and utilize on-line projects.
7. Utilize e-mail as a tool to effectively communicate with parents about classroom activities and student progress.
8. Utilize scanners, digital cameras, and/or video cameras with computer systems and software.
9. Author basic education web projects.
10. Examine current issues related to the Internet (e.g., Equity, Ethical, Legal, Acceptable Use Policies, Censorship, Human Issues, etc.).

11. Use assessment tools to measure. the impact of technology upon improved student learning among diverse populations of students.

COURSE EVALUATION
Student performance will be evaluated through a combination of examinations and activities/projects. Each instructor reserves the right to define these activities and/or establish additional methods for assessment.

WRITING STYLE
Written work in this course must be completed in APA style.

REFERENCE LIST

Baker, F. 1_ & O'Neil, Jr., Harold F (1994). Technology assessment in education, and training. Mahwah, NJ- Lawrence Erlbaum Associates, Inc.

Collis, B. A., et. al. (1996). Children and-computers in school. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Cotton, E. G. (I 997).   The Online Classroom (2nd Ed.). Bloomington, IN: ERIC.

Dockterman, D. A. 1994). Great-teaching in one computer classroom. Watertown, MA. Tom Snyder Productions, Inc.

Grabe, M. & Grabe, C. (1996). Integrating technology for meaningful learning. Boston, MA: Houghton Mifflin Company.

Heinich, R., Molenda, M., Russell, J. D., & Smaldino, S. E. (1996). Instructional media and technologies for learning, Englewood Cliffs, NJ: Prentice Hall.

Koschmann, T. D. (1994). Computer support for collaborative learning. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Leshin, C. B. (1996). Internet adventures. Needham Heights,MA: Allyn and Bacon

Newby, T. J. et. al. (1996). Instructional technology for teaching and learning. Englewood Cliffs, NJ: PrenticeHall.

O'Neil Jr., Harold F. & Baker, E. L. (1994). Technology assessment in software applications. Mahwah, NJ: Lawrence Erlbaurn Associates, Inc.

Resta, P. E, & Harris, J. B. (1994).   Educational Technologies: Current trends and future directions. Mahwah, NJ:Lawrence Erlbaurn Associates, Inc.

Vosniadou, S. et. al. (1996). <u>International perspectives on the design of technology-supported learning environments</u>. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Warscbauer, M. (1995). <u>E-mail for English teaching</u>. Alexandria, VA: Teachers of English to Speakers of Other Languages, Inc