GENERIC SYLLABUS
(updated 2001)

ETEC 305 (EDUC 305)
EDUCATIONAL TECHNOLOGY 305
COMPUTER APPLICATIONS IN THE SCHOOL SETTING

PREREQUISITE
Education 202

COURSE DESCRIPTION
Emphasis is placed on computer utilization in a school/classroom setting. The impact of computers and technology in modern society are discussed. Topics include examining how schools integrate computer technology to enhance learning by creating a favorable computer-learning environment, utilizing Office 2000 programs, and evaluating software.

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
Roblyer, Edwards, and Havriluk (1999). Integrating Educational Technology into Teaching.

OBJECTIVES
1. Become proficient in the use of Multimedia Computers
2. Identify the hardware components associated computers
3. Demonstrate how computers can be used in the classroom
4. Identify instructional and productivity uses of the personal computer
5. Define and correctly use computer terminology
6. Discuss current applications and views about computers in schools which include equity, ethics, legal, and human issues
7. Successfully use peripherals and imaging devices
8. Discuss how computer assisted instruction can help manage the needs of diverse student populations
9. Explore, evaluate and use programs developed for use in the school setting
10. Explore uses of word processing, spreadsheets, database, presentation programs, and educational software in various disciplines of elementary and secondary education
11. Demonstrate proficiency and problem solving skills in the use of word processing, spreadsheet, database, presentation programs, and education software programs
12. Demonstrate ability to operate rudimentary system commands
13. Use electronic mail, the Internet, the World Wide Web, and two way interactive technology
14. Explore integration of technology into the curriculum
15. Participate in other activities as deemed appropriate by instructor

COURSE EVALUATION
Students will be evaluated through written examinations, practical examinations and projects. The evaluations will measure the students' abilities to perform operations on the computer involving spreadsheet, database, word processor, and the Internet. Students will also be evaluated on their ability to evaluate software and make hardware purchases.

ACCOMMODATIONS

If you are a qualified student with a disability seeking accommodations under the Americans with Disabilities Act, you are required to self-identify with the Office of Student Life, Room #203 Student Union.

WRITING STYLE

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

REFERENCE LIST

Barron, A. E., & Orwig, G. W. (1993). New technologies for education. Englewood, CO: Libraries Unlimited, Inc.

Blissmer, R. H. (1994). Introducing computers. New York: John Wiley & Sons.

Bramble, W., & Mason, R. J. (1985). Computers in schools. New York: McGraw-Hill.

Bullough, R. V., & Beatty, L. F. (1987). Classroom applications of microcomputers. Columbus, OH: Merrill.

Bullough, R. V., & Beatty, L. F. (199 1). Classroom applications of microcomputers (2nd ed.). New York: Merrill.

Hirschbuhl, J. J. (Ed.). (1994). Computers in education (6th ed.). Guilford, CT: Dushkin Publishing Group.

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.

Maddux, C. D., Johnson, D. L., & Willis, J. W. (1992). Educational computing. Boston: Aflyn & Bacon.

Poole, B. J. (1995). Education for an information age. Madison, WI: Brown & Benchmark.

Simonson, M. R., & Thompson, A. (1994). Educational computing foundations (2nd ed.). New York: Merrill.

Vockell, E. L., & Schwartz, E. M. (1992). The computer in the classroom (2nd ed.). New York: McGraw-Ell.