SIMON FRASER UNIVERSITY

Educ 371-3

Special Topics: Technology for Special Needs Students

Summer Session, 1989   Instructor: Shirley Cazalet
(July 27 - August 5)
M/T/W/Th/F/Sat
8:30 - 12:30
Location: SFU-David Thompson Sec. School

Prerequisite: Educ 401/402 or equivalent teacher training

Course Description:

This course is designed to provide an introduction to the use of technology to meet the unique learning needs of special education students. The nine day format will consist of lecture, discussion and lab experiences.

The Components of the course include:
1)   Review of relevant literature and computer research studies. Rationale for using technology with students with learning difficulties. Survey of the use of technology in learning assistance and learning disability programs. Review of innovative uses of technology for special needs students in British Columbia.
2)   Introduction to the services and facilities of the Special Education. Technology - British Columbia (SET-BC) program. Demonstrations and lab experience with special education software and hardware.
3)   Review and evaluation of software for special needs students. Guidelines for evaluating software to meet specific needs. Modification of software to meet the unique needs of learning disabled students. Preparation of Software Review Unit.
4)   Review and evaluation of hardware for special needs students. Introduction to the use of adaptive peripheral devices to assist learning disabled students, ie. speech synthesizers, expanded keyboards, and touch windows.
5)   Strategies for integrating technology into the special education and the regular curriculum. Development of Curriculum Integration Plan to modify and enhance the regular curriculum for special needs students. Introduction to Cooperative Learning and Computers.
Introduction to the use of computers for the development of Individual Educational Programs (IEPS).
6)   Introduction to emerging technologies and their applications to special education. Demonstrations and access to resource information through the use of telecommunications.

Course Requirements:

A.) 1. Pre and Post-Test
       2. Attendance to all sessions
       3. Participation in class discussions
       4. Completion of all team assignments*
       5. Software Evaluation in specific subject area or application
       6. Individual Software Integration Plan
       7. Individual Curriculum Integration Plan
       8. Review of three relevant periodical articles
       9. Specialized Resource Material List

B.) 1. Pre and Post-Test
       2. Attendance at all sessions
       3. Participation in class discussions
       4. Completion of all team assignments
       5. Software Evaluation in specific subject area or application
       6. Individual Software Integration Plan
       7. Review of two relevant periodical articles

C.) 1. Pre and Post-Test
       2. Attendance at all sessions
       3. Participation in class discussions
       4. Completion of all team assignments
       5. Software Evaluation in specific subject area or application
       6. Review of one relevant periodical article

D.) 1. Pre and Post-Test
       2. Attendance at all sessions
       3. Participation in class discussions
       4. Completion of team assignments

F.) Failure to complete 1-4 above.

* TEAM ASSIGNMENTS CONSIST OF:
      1. Software Review Unit   2. Curriculum Integration Plan

Required Texts:
Male, M. 1988. Special Magic: Computers, Classroom Strategies, and Exceptional Students. Mayfield Publishing Company, Mountain View, California.
Bachor, Dan and Crealock, Carol. Instructional Strategies for Students with Special Needs. Prentice Hall Canada, Inc.

Required Readings:
Pre-reading assignments to be completed prior to the course:
- Special Magic: Chapters 1, 2, 3, 4, 7, 9, 10, 12, 13
- Instructional Strategies for Students with Special Needs: Chapter 14.