Fall Semester 2000

EDUC 463 - 4
Multimedia for Curriculum Design

E01.00

Wednesday 16:30-20:20 in EDB 8500

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PREREQUISITE
Educ 401/402 (or permission from the instructor)

COURSE DESCRIPTION
This course focuses primarily on the evaluation of multimedia software packages in relation to important curricular, instructional and software design issues. A secondary focus will be the student design and production of a multimedia package for use in an educational setting.

COURSE OUTCOMES
Upon completion of this course, students will be able to:
• Evaluate commercially available software packages against know characteristics of effective instruction;
• Explain and discuss software and interface design principles related to the effective display of educational material (e.g. page layout, use of colour, design consistency, etc.);
• Evaluate the implementation of educational software in a variety of learning environments against a range of expected learning outcomes, classroom processes and individual learner and teacher needs; and
• Synthesize what has been learned in the evaluation of commercial software and apply to the development of a simple multimedia production.

ASSIGNMENTS
Students will demonstrate competence with the required learning outcomes for the course by completing these assignments:
• Presentation and written critique of a commercially produced educational multimedia software.
• Summary of readings demonstrating understanding of issues associated with evaluating, designing and integrating multimedia into the curriculum.
• Planning, completing, and demonstration of simple multimedia instructional units with a defined academic and theoretical framework using presentation software, multimedia authoring software and WWW authoring software.

EVALUATION
Course evaluation will be based on mark distribution as follows:
1. Software evaluation - 20%
2. Summary of readings - 20%
3. Multimedia projects (2) - 60%

REQUIRED TEXT
Welsh, M. (1997). Orchestrating Multimedia. Concord, ON: Irwin. ISBN: 077252503X (165 pages/Paperback)

Readings (available online and from current literature) will be provided to complete the academic and theoretical framework for the course.

OPTIONAL TEXT
Grabe, M. & Grabe, C. (1998). Integrating technology for meaningful Learning. Houghton Mifflin. ISBN: 0-395-87136-0 (452 pages/paperback)

OTHER COURSE COSTS:
Students will be expected to purchase material to complete projects and pay for photocopying of readings used in class and for completion of projects.