



EDTC5630-01: Advanced Topics in Classroom Technologies: Databases for Decision Making
[June 9-13, 30, July 1, 2].

Summer, 2003, Semester, 3 credit hours

Office Hours: Tues 3-4 pm and by appt. If possible, please schedule appointments.

Office: Webster Hall, room 246

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[1] Course Description:

This course explores ways to manage information using databases. Students will explore a variety of database activities that will stimulate the critical evaluation of data needed to make sound decisions. This course is designed for graduate students as an introduction to designing curriculum to use databases and informational systems in the classroom.

[2] Learning objectives:

- Manipulate the records of a database using editing, sorting, and searching procedures; create database layouts; and produce reports to present data in meaningful representations (MO-STEP 1e, 2d, 4a, 4b, 5a, 6a).
- Import and Export data/reports to other programs.
- Understand Bloom's Taxonomy and the development of critical thinking skills as it relates to developing classroom activities.
- Use an information problem solving process to design and create a database.
- Complete search activities using appropriate descriptors and keywords using site specific search engines, i.e. ERIC database.
- Create a lesson plan utilizing database resources and a database as an integral aspect of a classroom activity.

[3] Projected Schedule of Activities:

Week 1:	June 9 - AM	Course overview, defining database types, Bloom's Taxonomy and Critical Thinking
Week 2:	June 9 - PM	Researching uses of Internet and CD ROM databases Missouri Curriculum Standards Database Terminology
Week 3:	June 10 - AM	Constructing lessons using prepared databases
Week 4:	June 10 - PM	Using Excel as a Database;
Week 5:	June 11 - AM	Developing classroom databases; Beginning database skills, manipulating data
Week 6:	June 11 - PM	Test #1
Week 7:	June 12 - AM	Creating data entry forms; Querying and searching for information; Simple reports
Week 8:	June 12 - PM	Developing classroom databases; Project ideas; Summarizing information and creating reports
Week 9:	June 13 - AM	Using databases in Word Processing functions (Mail merges, Form letters)
Week 10:	June 13 - PM	Test #2
Week 11:	June 30 - AM	Advanced Database features
Week 12:	June 30 - PM	Advanced Database features
Week 13:	July 1 - AM	Work on project
Week 14:	July 1 - PM	Work on project
Week 15/16:	July 2 – AM/PM	Presentation of Project / Final Exam

[4] Resources:

Textbook: Microsoft Access 2000 – Complete Tutorial. Pasewark/Cable. Course Technology Series. 2000. 336 pages. ISBN: 0-538-68841-6.

[5] Evaluation:

Weekly activities/assignments	350
Tests (2) (100 pts each)	200
Final project	200
Final project presentation	50
Final exam	200

I plan to keep the final project. So if you desire a copy of it, please make one for yourself before turning it into me.

[6] Attendance:

Attendance at all classes is required. If a student anticipates missing a class, the instructor must be notified prior to the class. Students will be required to complete the work assigned and to make up any missed work by the next class. **Please note that we only meet 8 days, hence each meeting is crucial. The instructor reserves the right to lower the final grade by a letter grade for absences.**

NOTE: This syllabus is subject to change at the discretion of the instructor; therefore, regular attendance is required.