Syllabus CSCI 1102-201 rev3
Introduction to Database Applications Sp08
Tuesdays, 5:15 PM-6:45PM, Room 104, Gilbreath Hall

Instructor: Samuel J Burke
Gilbreath Hall, Rm. 107
Or Nicks Hall Rm. 457
burke@etsu.edu
439-6970 Gilbreath Hall office
Or 439-7414 Nicks Hall office

Prerequisites: CSCI 1100 Using Information Technology

Purpose of the Course
To teach students how to use software tools (Access 2007) to examine, interpret, and utilize large amounts of data
To provide the foundations of database management (non-programming) ability for students to produce functional databases
To provide students with the knowledge of information management techniques that will aid in future careers

Course Goals and Objectives:
Learn the basics of relational database design
Learn to use a relational database application (Microsoft Access 2007)
Design and construct a database of your choice using Access 2007
Enjoy learning something new! It will open lots of doors.

List of Major Topics Covered:
Database design fundamentals
Tables (construction, modification, relations)
Queries (select, active, SQL)
Forms and Reports
Macros
Switchboards (front end)
Survey databases
Working with external data

Course Learning Outcomes
At the completion of this course, the student is expected to:
Understand the principles and best practices of database design
Design and construct functional databases
Retrieve needed data from the database in presentation formats
Import data (various formats) into databases for manipulation

Textbook: tbd

Selected readings from ETSU Library:

Major Assignments:
Five to seven homework assignments during the course of the semester
A Midterm (practical) and a Final examination (practical and possibly not required dependant on grades and progress)
Culminating Project (a database of your choosing, constructed throughout the semester)

Evaluation Plan:
Attendance, participation, homework, portable storage devices, and some effort from
each of you should make this a fun, informative and "painless" learning experience. I encourage working together, discussing problems, and helping each other out. Each of you knows the difference between doing your own work and plagiarizing someone else. If you are lost and need help, please come and see me (I have maps). Work is due on the assignment due date. No late work or assignments will be accepted.

Attendance:
Attendance is very important as is coming to class on time. The attendance policy for ETSU is stated in your catalog under academic regulations. It requires that each instructor clearly state his/her attendance policies at the first meeting. Attendance is required. Penalties for unexcused absences apply to your semester average (final grade). Class meets Tuesdays and there are 10 penalty points for all absences beyond 1.

Grading:
Your grade will be calculated as follows:
Participation in class discussions, attendance 10%
In class exercises/homework (~7) 30%
Midterm and Final 40%
Final Project 20%

The final grade will be based on the \( \frac{1}{2} \text{weighted average} \) of these items. Letter grades are based on overall averages as shown in the following table:

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