SYLLABUS

GEORGE MASON UNIVERSITY
COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
INSTRUCTIONAL TECHNOLOGY

EDIT 772 5T7
Database-Driven Web Design
Fall 2004
10:00am – 12:40pm/Friday
Commerce 100

PROFESSOR(S)

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Office phone: 703-993-3670
Office location: 13 Central Module
Office hours: Tue. 3-5pm or by appointment
Email address: swang3@gmu.edu

COURSE DESCRIPTION

A. Prerequisites

HTML basics, basic knowledge of script languages (preferred by not required)

B. Course description

This course covers from basic to intermediate knowledge of the design and implementation of database online application. It also covers the database interface design which is essential to the data-driven web development. The main topics include:

- Database and Dynamic Web concept
- Entity-Relationship Model
- Relational Model
- Structured Query Language (SQL)
- Relational DBMS: SQL Server and Access
- XHTML and XML
- Database Connection and Interface
- Database Application Development: T/TAC Online

COURSE WEBSITE

Detailed class information can be found at http://virtual01.gmu.edu/db_course/
NATURE OF COURSE DELIVERY

Lecture

STUDENT OUTCOMES

Students will practice designing, developing and implementing a relational SQL Server/Access database online application through a comprehensive project that contains all the above topics.

REQUIRED TEXTS


COURSE REQUIREMENTS, PERFORMANCE-BASED ASSESSMENT, AND EVALUATION CRITERIA

Requirements
Performance-Based Assessments
Criteria for evaluation
Grading Scale A = 93-100, A- = 88-92, B+ = 83-87, B = 78-82, B- = 70-77, C = 60-69, F = below 60

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT STATEMENT OF EXPECTATIONS:
All students must abide by the following:

Students are expected to exhibit professional behavior and dispositions. See gse.gmu.edu for a listing of these dispositions.

Students must follow the guidelines of the University Honor Code. See http://www.gmu.edu/catalog/apolicies/#TOC_H12 for the full honor code.

Students must agree to abide by the university policy for Responsible Use of Computing. See http://mail.gmu.edu and click on Responsible Use of Computing at the bottom of the screen.

Students with disabilities who seek accommodations in a course must be registered with the GMU Disability Resource Center (DRC) and inform the instructor, in writing, at the beginning of the semester. See www.gmu.edu/student/drc or call 703-993-2474 to access the DRC.
# PROPOSED CLASS SCHEDULE

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<tr>
<th>Date</th>
<th>Topic/Learning Experiences</th>
<th>Readings and Assignments</th>
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<tbody>
<tr>
<td>9/10</td>
<td>Intro. To DB and Dynamic Web Design</td>
<td>1.1-6, 1.10-11</td>
</tr>
<tr>
<td>9/17</td>
<td>ER Model</td>
<td>2.1-3, 2.5, 2.8, 2.11</td>
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<tr>
<td>9/24</td>
<td>Example: ER Model Design – T/TAC Online DB Schema</td>
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<tr>
<td>10/1</td>
<td>SQL</td>
<td>3.1, 4.1, 4.2</td>
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<tr>
<td>10/8</td>
<td>Intro. To DBMS: SQL Server/Access</td>
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<tr>
<td>10/15</td>
<td>Project Assignment: Online Data Collection System / TTAC Online SOL</td>
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<tr>
<td>10/22</td>
<td>XHTML and XML Introduction</td>
<td>*XHTML book ch.1, ch.2, ch.3</td>
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<tr>
<td>10/29</td>
<td>DB Connection and ADO</td>
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<tr>
<td>11/5</td>
<td>Database Application: 1. T/TAC Online, 2. KIHd System</td>
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<tr>
<td>12/3</td>
<td>Final Presentation</td>
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Assignments detail see class website: [http://virtual01.gmu.edu/db_course/](http://virtual01.gmu.edu/db_course/)

## ASSESSMENT RUBRIC(S)

### COURSE

**Assignment rubric**

Name: ___________________________

Date: ___________________________

<table>
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<tr>
<th>No Evidence 1</th>
<th>Beginning (Limited evidence) 2</th>
<th>Developing (Clear evidence) 3</th>
<th>Accomplished (Clear, convincing, substantial evidence) 4</th>
<th>SCORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRITERIA</td>
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Comments: