

COP 3855 – Web Access and System Design

(4 Semester Credits)

Instructor: Karthikeyan Umapathy
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Catalog Description:

Students learn about the influence of e-Business, local and global transaction processing, Internet, web design and development, and Electronic Data Interchange on information systems. After an introduction to the basic concepts of relational database systems, students will practice connectivity to a database to retrieve information. The course includes a design and implementation project involving a database in the Web environment.

Prerequisite:

COP 2332 - Introduction to Visual Basic Programming
(or) COP 2175: Introduction to Visual and Procedural Programming

Course Objectives/Learning Outcomes:

Students will be able to:

- Describe the theoretical concepts and practical applications of e-business functionality
- Recognize the relationship of e-business to business strategy for supply and value chains and other business models
- Explain the factors to consider in developing e-business solutions for local and global systems
- Explain the e-business technology and infrastructure
- Identify the different types of Internet applications
- Describe a relational database and its components
- Demonstrate a web application to connect to a database for transaction processing, printing, reporting, and updates
- Apply programming functions to develop web forms

Method of Teaching:

Lecture, in-class presentations, in-class activities, and outside programming assignments

Text & materials:

1. e-Business: Organizational and Technical Foundations
Authors: Michael Papazoglou and Pieter Ribbers / Publisher: John Wiley & Sons
ISBN-10: 0470843764 / ISBN-13: 978-0470843765
2. Advanced Visual Basic 2005, 4th edition
Authors: Kip Irvine and Tony Gaddis / Publisher: Addison-Wesley Professional
ISBN-10: 032147712X / ISBN-13: 978-0321477125

Method of Evaluation:

Article Presentation (10%)
Case Study Analysis Proposal (10%)
Case Study Analysis Report (10%)
Case Study Analysis Presentation (10%)
Implementation Project Proposal (10%)
Implementation Project Interim Report (10%)
Implementation Project Final Report (10%)
Implementation Project Presentation (10%)
In-Class assignments (10%)
Class participation (10%)

Letter grades will be based on:

94 – 100 = A
90 – 93.99 = A-
87 – 89.99 = B+
84 – 86.99 = B
80 – 83.99 = B-
77 – 79.99 = C+
70 – 76.99 = C
60 – 69.99 = D
less than 60=F

The penalty for cheating on assignments will be F grade in the course. Work which is similar beyond coincidence will automatically be considered cheating by all parties.

Late Assignments:

There will be a penalty of 10 % per day for late submission of assignments (including weekends and holidays). No credit will be given for work turned in more than one week late. No partial credit will be given for assignments which are not producing reasonable output.

Academic dishonesty:

No type of academic dishonesty will be tolerated. If you are caught cheating (on the assignments) the punishment will be the most severe penalty allowed by the university policy. The policy on academic integrity and misuse of computer equipment and computer accounts found at the departmental web site at <http://www.unf.edu/cocse/cis/> applies to this course.

Other remarks:

- A grade of incomplete will not be given except for catastrophic illness or calamity.
- All university rules regarding classroom behavior and attendance apply.
- Attendance is expected. If a student misses a class, the student is still responsible for the material that is covered and for completing any assignments by the due date that may have been handed out by the professor in class.

Course Topics

It is expected that the student will read the chapter assigned prior to the class meetings and will have questions for the instructor on any topics the student is not sure of, or does not understand. The student is responsible for all topics presented in the text regardless of their coverage. In addition, the students will be responsible for all lecture material that is not included in the text.

Week	Topics	Chapters	
1	Introduction to course, syllabus, and e-Business	TB1 - Chapter 1	Article presentation signup due
2	e-Business Strategy	TB1 - Chapter 2	Project Team due Article 1 Presentation
3	Business Models	TB1 - Chapter 3	Article 2 Presentation Article 3 Presentation Case Study Proposal Due
4	e-Business Relationship and Governance Structures	TB1 - Chapter 4 and 5	Article 4 Presentation Article 5 Presentation Project Proposal Due
5	Web Applications and ASP.NET	TB2 – Chapter 8	Article 6 Presentation Article 7 Presentation
6	Database Fundamentals	TB2 – Chapter 3 and 5	Article 8 Presentation Article 9 Presentation
7	E-R Data Modeling	TB2 – Chapter 3 and 5	Article 10 Presentation Article 11 Presentation
8	Relational Data Modeling and Normalization	TB2 – Chapter 3 and 5	Article 12 Presentation Article 13 Presentation
9	SQL	TB2 – Chapter 3 and 5	Interim project report due
10	Database connectivity and ASP.NET	TB2 – Chapter 10	
11	e-Business Technological Infrastructure	TB1 - Chapter 6	
12	Case Study Analysis Presentations		Case Study Report Due
13	Web Services/ Business Protocols	TB1 – Chapter 19, and 20	
14	Project Presentations		Project Report Due

Please Note

Instructor reserves the right to modify course to meet the student's needs.

Legends

TB1 - e-Business: Organizational and Technical Foundations

TB2 - Advanced Visual Basic 2005

Students with Disabilities

Students with disabilities who seek reasonable accommodations in the classroom or other aspects of performing their coursework must first register with the UNF Disability Resource Center (DRC) located in Building 10, Room 1201. DRC staff members work with students to obtain required documentation of disability and to identify appropriate accommodations as required by applicable disability laws including the Americans with Disabilities Act (ADA). After receiving all necessary documentation, the DRC staff determines whether a student qualifies for services with the DRC and if so, the accommodations the student will be provided. DRC staff then prepares a letter for the student to provide faculty advising them of approved accommodations. For further information, contact the DRC by phone (904) 620-2769, email (kwebb@unf.edu), or visit the DRC website (<http://www.unf.edu/dept/disabled-services>).

Satisfactory Progress Policy

The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs. Students who do not successfully complete a prerequisite or core requirement for a School of Computing course on the first attempt (i.e., earn a grade of D, F, W, WP or WF) will be granted one chance to repeat the course. Students who do not successfully complete a prerequisite or core requirement within two attempts will not be permitted to register for courses offered by the School in future semesters. This stipulation applies whether or not the student has declared a major in a School of Computing program.

<http://www.unf.edu/ccec/cis/CIShtml/CIScourseRepeat.html>

Community-Based Transformational Learning

Community-Based Transformational Learning is about providing students with first-hand experiences that take them outside the walls of the classroom and into the community. By engaging in these activities, UNF students learn how to translate theory into practice, strengthen their sense of civic and ethical responsibility, and gain from professional and career development opportunities. In many cases, these experiences transform the lives of students.

<http://www.unf.edu/ccec/soc/cbtl.pdf>