

**SAUDER SCHOOL OF BUSINESS
THE UNIVERSITY OF BRITISH COLUMBIA
Division of Management Information Systems**

BAIT 502 – Fundamentals of e-Business Technology

Course Outline - 2004

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Course Home Page: <http://mis.commerce.ubc.ca/courses/bait502>

1. General Description

Recent years have seen a dramatic increase in e-Commerce and e-Business activity. Electronic-Commerce refers to e-Business processes that involve the transfer of ownership or rights for goods or services. Electronic Business, on the other hand, is the use of computer-mediated networks for any process conducted by an organization (for-profit, or otherwise). e-Business then, is a broader definition of business activity on the Internet (and, to a lesser degree, other electronic means).

An increasing number of organizations are now using Internet technology to implement e-Business information systems both for in-house use ("Intranet" applications) and conducting business transactions with customers and suppliers (either on a closed group basis as "Extranet" or open applications via the Internet).

2. Course Description

This course focuses on the basic but essential components of an e-Business solution. From "front to back" we visit the software components necessary to implement such applications. Never losing sight of our management perspective, we focus our attention also on the critical issues of *Business Intelligence* and *Security*.

3. Course Objectives

Upon completing this course students will:

1. Understand the main concepts and components related to e-Business;
2. Understand the server architectures that support e-Business;
3. Understand the software technologies that support e-Business;

4. Understand security issues involved in conducting e-Business transactions on the internet; and
5. Have hands-on experience with major components of an e-Business application.

4. Course References

No specific textbook has been assigned to this course. However, the instructor will use several e-Business texts as a framework of delivery for the course. An example is the following;

e-Business and e-Commerce : How to Program by *Deitel, Dietel, and Nieto*. Prentice Hall 2001.

The course web site is at:

<https://www.elearning.ubc.ca/login>

It will contain the lecture notes, assignments, exam papers and the suggested solutions.

5. Assignments and Exams

The Prime Directive

All assignments, with exception of group projects, must be done individually. *Students are encouraged to discuss the assignment with each other. However, they should implement or write up the assignments separately.* If the assignments are judged by the marker or instructor to be identical, a decision of what action will be taken will be made in consultation with the Masters Program Office. You must also plan to work extra hours in the PC Lab on group projects.

Final Exam

The final exam. will be closed book. Examinations are based on the contents covered in the lectures and labs.

6. Grading Schedule

Assignments and Projects	50%
Final Examination	50%
Total :	100%

You must pass the final to pass the course.

6. Course Schedule (subject to change)

Week	Topic	Location	Assignment Due
Jan 6	Introduction to e-Business Components. Introduction to Browsers and HTML	Class/Lab	
Jan 8	Using a Web Authoring Tool	Class/Lab	
Jan 13	Introduction to Relational Database	Class/Lab	
Jan 15	Working with MS Access	Class/Lab	
Jan 20	Introduction to Client/Server Technology	Class/Lab	Assignment 1 Due
Jan 22	Scripting Server, Javascript, DHTML, XML	Class/Lab	
Jan 27	Business Intelligence	Class/Lab	Assignment 2 Due
Jan 29	Seagate Presentation	Class/Lab	
Feb 3	OLAP, DataWarehousing, Datamining	Class/Lab	
Feb 5	Internet Security	Class/Lab	Assignment 3 Due
Final Exam			

Please note that technology moves fast - we have to as well. Hence we have to adjust to the academic objectives and needs of the students as they become apparent.

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