

**THE UNIVERSITY OF BRITISH COLUMBIA
SAUDER SCHOOL OF BUSINESS**

BAIT 505 – Business Data Communications Technology and the Internet

Course Outline - Period Three 2004

Instructor: Y.M. Cheung
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Office Hours: Tuesdays and Thursdays, 12:30 pm to 1:30 p.m., or by appointment.
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(Students are encouraged to utilize the course's web discussion forum.)

Prerequisite: BAIT 501

1. Course Objectives

Upon completing this course, students will:

- (a) Understand the technologies underlying data communications and the ways they can help organizations to be more effective, efficient, and competitive; and
- (b) Understand security and risks aspects of data communications and the ways to conduct secure transactions over communication networks.

2. Course Description

Business telecommunications is one of the fastest growing areas in industry today. The use of local- and wide- area networks has become common place. Data communications technology provides the necessary infrastructure for client-server architecture, the internet, intranets and extranets, groupware, and any e-business application.

The course begins with an introduction to the data communications concepts and technologies, followed by a technical review of the network services, including LANs and WANs, the Internet and internetworking, and enterprise networks. We then turn to look at some issues relating to network security and management.

3. Course References

The following text book is required:

Applied Data Communications: A Business-Oriented Approach (3rd edition)
by Goldman, James E. John Wiley & Sons, Toronto, 2001, ISBN 0-471-37161-0

Other online resources will be available through the course web page.

4. Course Web Page and Discussion Forum

The course web site is in <http://mis.commerce.ubc.ca/courses/bait505/home.html>.

The course also utilizes WebCT, a web-based teaching and learning software, to submit assignments, to discuss questions or issues related to the course (the discussion forum), to provide additional teaching materials such as lecture notes, solution to assignments, and to allow students to check their grades. WebCT access instructions and login information are available on the course web page.

5. Assignments and Exams

Assignments

The project in the course involves research on networking technologies as well as the associated management and business issues. The project will be done in groups of three students. Each group is required to choose a research topic of data communications, conduct the research, produce a written report and present their findings in week 5.

Students are encouraged to discuss the assignment with each other. However, each group should complete their assignment on their own. If the assignments are judged by the marker to be identical, a decision of what action will be taken will be made in consultation with the Masters Program Office.

No late assignments will be accepted. The exceptions are doctor's note, prior approval by the instructor for special circumstances (e.g. representing UBC on a one week sports competition), or equipment failure in the PC Lab.

Final Exam

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

6. Grading Schedule

Projects	30%
Class Participation	15%
Quizzes	15%
Final Examination	40%
Total :	100%

7. Course Schedule (subject to change)

Date	Topics	Reading
Apr 20	<ul style="list-style-type: none"> ◆ Course Overview ◆ The Data Communications Industry 	Goldman, Chapter 1
Apr 22	<ul style="list-style-type: none"> ◆ Data Communication Concepts ◆ Class Discussion (Ch. 1) 	Goldman, Chapter 3
Apr 27	<ul style="list-style-type: none"> ◆ Local Area Network Architectures ◆ Quiz 1 (Ch. 1 and 3) 	Goldman, Chapter 5
Apr 29	<ul style="list-style-type: none"> ◆ Local Area Network Communications Protocols and Operating Systems ◆ Class Discussion (Ch. 5) 	Goldman, Chapter 7
May 4	<ul style="list-style-type: none"> ◆ Wide Area Network Concepts, Architectures, and Services ◆ Quiz 2 (Ch. 5 and 7) 	Goldman, Chapter 8
May 6	<ul style="list-style-type: none"> ◆ Internetworking 	Goldman, Chapter 9
May 11	<ul style="list-style-type: none"> ◆ Remote Access & Wireless Networking ◆ Quiz 3 (Ch. 8 and 9) 	Goldman, Chapter 10
May 13	<ul style="list-style-type: none"> ◆ Network Security ◆ Class Discussion (Ch. 10) 	Goldman, Chapter 13
May 18	<ul style="list-style-type: none"> ◆ Network Management 	Goldman, Chapter 12
May 20	<ul style="list-style-type: none"> ◆ Project Presentation ◆ Review 	
	<ul style="list-style-type: none"> ◆ Final Exam. 	

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