

A: Division: **INSTRUCTIONAL** Date: **MAY 1997**  
 B: Faculty: **COMMERCE AND BUSINESS ADMINISTRATION** New Course: **X**  
 Program: **COMPUTER INFORMATION SYSTEMS** Revision of Course Information form:

C: CISY 345 D: DATA COMMUNICATIONS I E: 3  
 Subject & Course No. Descriptive Title Semester Credit

<b>F:</b> Calendar Description: This course will provide a basic understanding of both Wide Area Network (WAN) and Local Area Network (LAN) data communication standards, protocols, security, technologies, and techniques. Emphasis will be placed upon the internet and intranets as the major methods of communicating through the global community. This course will provide the student with the basic tools for using and understanding the internet and its potential. <i>Students who have received credit for CISY 440 will not get credit for CISY 345.</i>	<b>Summary of Revisions:</b>  
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**G:** Type of instruction: Hrs per week

Lecture:	2	Hrs.
Laboratory:		Hrs.
Seminar:	2	Hrs.
Clinical Experience:		Hrs.
Field Experience:		Hrs.
Practicum:		Hrs.
Shop:		Hrs.
Studio:		Hrs.
Student Directed Learning:		Hrs.
Other (Specify)		
<b>Total:</b>	<b>4</b>	<b>Hrs.</b>
<b>Semester Total (4 x 15 wks):</b>	<b>60</b>	<b>Hrs.</b>

**H:** Course Prerequisites:  
**CISY 110**

**I:** Course Corequisites:  
**nil**

**J:** Course for which this Course is a Prerequisite:  
**CISY 445**

**K:** Maximum Class Size:  
**35**

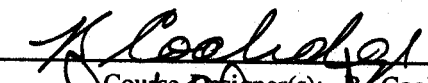
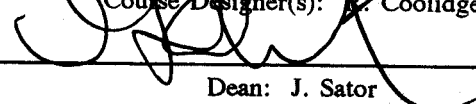
**L:**


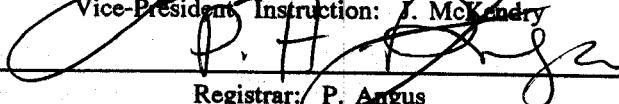
College Credit Transfer	<input type="checkbox"/>
College Credit Non-Transfer	<input checked="" type="checkbox"/>
Non-Credit	<input type="checkbox"/>

**M:** Transfer Credit: Requested:   
 Granted:

Specify Course Equivalents or Unassigned Credit as appropriate:

BCOU  
 SFU  
 UBC  
 UNBC  
 UVIC  
 Other:

  
 Course Designer(s): **P. Coolidge**  
  
 Dean: **J. Sator**

  
 Vice-President Instruction: **J. McKendry**  
  
 Registrar: **P. Angus**

**N: TEXTBOOKS AND MATERIALS TO BE PURCHASED BY STUDENTS**

Panko, Raymond. Business Data Communications, Latest Ed. Prentice Hall

**0: COURSE OBJECTIVES**

The student will be able to:

1. explain the fundamental concepts of data communications;
2. describe the standards models and what part they play in the data communications field today;
3. layout and develop local area networking topologies;
4. set up and operate an internet web server;
5. develop an internet web server;
6. process information over the internet in a secure and legal way.

**P: COURSE CONTENT**

1. Introduction to data communications.
2. The OSI model and the transmission of data.
3. Terminal-host communications.
4. Ethernet and other Lan technologies.
5. Local and Enterprise internets.
6. PC networking.
7. Networking management.
8. The internet, WWW, browsers, internet home page design
9. Home page design and set-up.
10. Programming for the internet and intranet.

11. Building a web server, Telephone service.
12. Setting up a web server.
13. How to secure information access and legal issues.

**Q: METHOD OF INSTRUCTION**

The course delivery will include lecture, self-study, visual presentations as well as laboratory exercises and assignments.

**R: COURSE EVALUATION**

Assignments (1-3)	20%-30%
In-class quizzes (1-4)	10%-25%
Presentations (minimum of 1)	5%-10%
Midterm Examination	20%-30%
Final Examination	<u>20%-30%</u>

100%

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