

A: Division: **INSTRUCTIONAL** Date: **MARCH 1997**  
 B: Faculty: **COMMERCE AND BUSINESS ADMINISTRATION** New Course:  
 Program: **COMPUTER INFORMATION SYSTEMS** Revision of Course Information form: **MARCH 1983**

C: CISY 200 D: INFORMATION SYSTEMS I E: 3  
 Subject & Course No. Descriptive Title Semester Credit

F: Calendar Description: This course will provide a general introduction to modern information systems analysis techniques. The student will be provided with the skills that are necessary for the analysis and design of information systems, and will apply these skills in a step-by-step manner leading from the recognition of a problem to the implementation of a solution on a case study.	Summary of Revisions: 1997-03 Sections: C,D,F,G,I,J,M,N,O,P,Q,R
---	--

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):		
Total:	4	Hrs.
Semester Total (4 x 15 wks):		Hrs.

H: Course Prerequisites:  
**CISY 110**

I: Course Corequisites:  
**nil**

J: Course for which this Course is a Prerequisite:  
**CISY 300 and CISY 650 and CISY 690**

K: Maximum Class Size:  
**35**

L: College Credit Transfer    
 College Credit Non-Transfer   
 Non-Credit

M: Transfer Credit: Requested:   
 Granted:

Specify Course Equivalents or Unassigned Credit as appropriate:

BCOU	CMPT (3)	UCC	COMP (3)
SFU	BUS 237 (3)	CGA	CISY110/200=MIS1
UBC			
UNBC	CPSC 290 (3)		
UVIC	CSC 100 level (1.5)		

Course Designer(s): *K. Tang and P. van den Bosch*

Dean: *J. Sator*

Vice-President, Instruction: *J. McKendry*

Registrar: *P. Angus*

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

Gore, Marvin and John Stubbe. Elements of Systems Analysis, Latest Ed.

**O: COURSE OBJECTIVES**

The student will be able to:

1. define information systems terms as used in current practice by information systems practitioners;
2. explain the functions of systems analysis and design, and the roles and responsibilities of the systems analyst;
3. describe current methods and approaches to information systems analysis and design;
4. describe the major phases and activities involved in the information system development process, and the corresponding outcomes and deliverables;
5. apply the systems development process in exercises and case studies, within an organizational context, using relevant techniques and methods;
6. complete a term project based on a case study, to reinforce the concepts, techniques and methods learned in the classroom.

**P: COURSE CONTENT**

1. Introduction to information systems concepts and the systems development life cycle process.
2. Current and future trends in systems development methodologies, and overview of modern techniques, approaches and tools.
3. Systems development life cycle process within a business context, its organizational implications, and the systems analyst.
4. Preliminary investigation - problem definition and feasibility analysis.
5. Requirements definition - techniques and approaches.
6. Prototyping and rapid application development.
7. Analysis and design of data.

8. Analysis and design of processes.
9. Analysis and design of interfaces.
10. Systems reporting and documentation.
11. Project planning, management and control.
12. Systems construction, testing and implementation.
13. Systems operation, review and maintenance.

**Q: METHOD OF INSTRUCTION**

Delivery will be by lecture, case study, and assignments. Assignments will include a term project illustrative of professional practice in CIS.

**R: COURSE EVALUATION**

Assignments and Term Project (minimum 4)	25%-40%
Midterm Examination	25%-30%
Final Examination	25%-30%
Oral Presentation	5%
Quizzes (minimum 2)	5%-20%
Participation	<u>0%- 5%</u>
	<u>100%</u>

© Douglas College. All Rights Reserved.