

EFFECTIVE: SEPTEMBER, 2007 CURRICULUM GUIDELINES

A.	Division:	Education	Ef	fective Date:	September 2007	
B.	Department / Program Area:	Commerce & Business Admin. Computing Science And Information Systems	Re	vision	New Course X	
C:	CSIS2200	D: SYSTEMS A	Re Da Da	Revision, Section(s) vised: te of Previous Revisio te of Current Revision YSIS AND DESIGN		
	Subject & Cou	rse No.	Descri	ptive Title	Semester Credits	
F:	Calendar Description: This course will provide a general introduction to current 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. Note: <i>Students who have received credit for CISY2200 will not receive further credit by taking CSIS2200</i> .					
G:	Allocation of Contact Hours to Type of Instruction / Learning Settings Primary Methods of Instructional Delivery and/or		H:	 H: Course Prerequisites: Academic English 12 with a grade of C or better AND CSIS1110 or CISY1110 or approved 		
	Learning Setting	<u>z</u> s:		equivalent		
	Lectures and Ser	minars	I:	Course Corequisites:		
		Number of Contact Hours: (per week for each		Nil		
	descriptor)		J:		s Course is a Prerequisite	
	Lecture: Seminar: Total:	2 Hours per week 2 Hours per week 4 Hours per week		CSIS2300 and CSIS		
	Number of Wee	ks per Semester:	K:	Maximum Class Size 35	e:	
	15 Weeks X 4 H	lours per Week = 60 Hours				
L:	PLEASE INDIC	CATE:				
	Non-Credi	t				
		edit Non-Transfer				
	X College Cr	redit Transfer:				
	SEE BC TRAN	SFER GUIDE FOR TRANSFER DI	ETAIL	S (www.bctransferguid	de.ca)	

M:	Course Objectives / Learning Outcomes					
	The student will be able to:					
	1) define information systems terms as used in current practice by information systems practitioners;					
	2) explain the relationship between information technology and information systems to the organization and					
	to organizational goals;explain the functions of systems analysis and design, and the roles and responsibilities of the systems					
	analyst and the project manager;					
	4) describe current methods and approaches to information systems analysis and design;					
	5) use project planning methods and tools including PERT/CPM, Gantt, MS Project and a spreadsheet;					
	6) use analysis methodologies including data flow diagrams, entity-relationship diagrams, structure charts,					
	data dictionaries, UML and various process definition methods;					
	7) explain the importance, the uses and the components of CASE;					
	8) describe the major phases and activities involved in the information system development process, and the					
	corresponding outcomes and deliverables;apply the systems development process in exercises and case studies, within an organizational context,					
	using relevant techniques and methods;					
	10) complete a term project based on a case study, to reinforce the concepts, techniques and methods learned ir					
	the classroom;					
	11) work on a systems development team.					
N:	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 current techniques,					
	approaches and tools					
	3) Systems development life cycle process within a business context, its organizational implications, and the					
	roles of systems professionalsPreliminary investigation - problem definition and feasibility analysis					
	 Requirements definition - techniques and approaches, both structured and object-oriented 					
	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					
	 Project planning, management and control Systems construction, testing and implementation 					
	13) Systems operation, support and security					
0:	Methods of Instruction					
	Delivery will be by lecture, case study, and assignments. Assignments will include a term project illustrative of professional practice in computer information systems.					
	professional practice in computer information systems.					
P:	Textbooks and Materials to be Purchased by Students					
	Shelly, Gary with Thomas J. Cashman and Harry J. Rosenblatt. Systems Analysis and Design. Latest Edition.					
	Course Technology.					
Q:	Means of Assessment					
	Assignments and Term Project (Minimum: 4) 20%-25%					
	Oral Presentation 5%					
	Participation0%-5%Quizzes (minimum 2)10%-20%					
	Midterm Examination 25%-30%					
	Final Examination <u>25%-30%</u>					
	Total <u>100%</u>					
	Note: the total value of quizzes, midterm examination and final examination must be 70% or greater.					

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR No

Course Designer(s): Sarah Stephens

Education Council / Curriculum Committee Representative

Dean: Rosilyn G. Coulson

Registrar: Trish Angus

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