

EFFECTIVE: SEPTEMBER, 2007 CURRICULUM GUIDELINES

A. B.	Division: Department / Program Area:	Education Commerce & Business Admin. Computing Science And		Sective Date: vision		September 2007 New Course	X
C:	CSIS3495	Information Systems D : APPLIED R	Re Da Da	Revision, Section(s) vised: te of Previous Revision te of Current Revision RCH PROJECT		E: 3	
	Subject & Cou	ibject & Course No.		otive Title		Semester Cred	dits
F:	Calendar Descri	ption:		·			
	This course enables students in the Computing Science And Information Systems Program to acquire practical experience in defining, designing, developing and implementing a special computer systems project. Each student, in consultation with a faculty advisor, will select an appropriate computer project. Project topics may vary from in-depth research to systems analysis and design development proposals. The student will learn more about technical documentation. Project management fundamentals will also be covered. (*) It is recommended that a student should have obtained 45 credits towards a CSIS diploma before attempting this course. Note: Students who have received credit for CISY3495 will not receive further credit by taking CSIS3495.						
G:	/ Learning Settin	ds of Instructional Delivery and/or	H:	Course Prerequisites: CSIS2115 and (CSIS2300 or CISY2300) and (CSIS2365 or CISY2365 or CSIS2375) or approval of instructor			
	Lectures and Se		I:	Course Corequisites: Nil			
	Number of Contact Hours: (per week for each descriptor) Seminar: 1 Hour per week Field Experience: 3 Hours per week		J:	Course for which this	s Course	e is a Prerequisite	,
	Total:	1	K:	Maximum Class Size	e:		
	Number of Weeks per Semester:			2.			
	15 Weeks X 4 F	Hours per Week = 60 Hours					
L:	PLEASE INDIC	PLEASE INDICATE:					
	Non-Credit						
	College C	College Credit Non-Transfer					
	X College C	X College Credit Transfer:					
	SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)						

M: Course Objectives / Learning Outcomes

The student should be able to:

- 1) prepare a project proposal;
- 2) formulate and negotiate an agreement to set up the terms and conditions of the project;
- 3) identify a set of objectives/tasks that can be accomplished within the time allotment;
- 4) apply the life-cycle of systems analysis and design to a computer system project;
- 5) gather pertinent information and data through interviews, questionnaires, surveys and observations of a computer information system's activities;
- 6) organize a project meeting, prepare an agenda, and issue timely minutes;
- 7) use problem solving skills to tackle problems encountered during the project period;
- 8) present orally and provide written memos/reports to clients and faculty supervisor in a formal environment;
- 9) prepare technical documentation (such as data dictionary, a user manual) and a final project report on the work performed;
- 10) use project management software to manage the project.

N: Course Content

1) Content Common to all Projects:

The content details will depend upon the particular subject of each project. However, there will be several common topics. Lectures and discussions will be held to deal with:

- the proposal of a project;
- the format of a contract;
- the techniques of gathering data/information;
- organizing and running meetings;
- information sources, such as libraries and resource centres;
- the preparation of a report;
- the management of weekly status report of a project.
- 2) Criteria for Selections of Project Topics:
 - A project's subject must be related to computer systems and be viewed by faculty as providing valuable information.
 - A project's scope must be such that its objectives can be attained in one semester.
 - The client preferably should be an organization outside the educational institution; should be an entity not related to the student (such as a relative).
 - Since confidential information must be protected for some companies, preference will be given to projects for which the results may be published and made available to the public.
 - The contents and results of a project must be original, as plagiarism is unacceptable and viewed as a serious offence.
 - Although projects are essentially for individuals, partnership agreements may be made with the approval of the faculty supervisor.
- 3) Typical projects have included (but are not strictly limited to) research, analysis, design or development in one of the following areas:
 - Database applications
 - Web applications related to database
 - Visual/object-oriented programming-related applications
 - Data communications systems (such as LAN, WAN)
 - Multimedia/graphical designs
 - Feasibility studies/analyses
 - Accounting applications
 - Hardware/software evaluations
 - Management contact systems
- 4) Project Management Life Cycle:
 - Project management deliverables
 - Project milestones
 - Risk management
- 5) Problem solving skills
- 6) Creating Data Dictionary
- 7) Project Management software

O:	Methods of Instruction Practicum, lecture, seminar and tutorial may be used in this course. Most of the instruction will be on a one-to- one basis between student and faculty advisor to guide the student through a self-managed work plan. In the case of work-experience projects, much of the learning process will take place on site with employers and co- workers guiding the student's experience. Weekly communication with faculty advisor will be compulsory.						
P:	Textbooks and Materials to be Purchased by Students Because of the possible variety of project topics, no ge material will be indicated to each student by the faculty						
Q:	Means of Assessment Even though the topics and subjects of student's submissions will vary, there are activities fundamental and common to all that can be evaluated in reviewing weekly, interim and final reports as follows: Negotiation:						
	review of contract and the written project Implementation: review of student's progress reports (including a t	15% ime line) 15%					
	Communication: oral presentations Final Written Report:	20%					
	 review of student's ability to do technical docu evaluation of student's ability to convey his/her 	student's ability to convey his/her results in					
	a clear, concise, logical manner 3) evaluation of student's achievement of goals	15% <u>20%</u> Total <u>100%</u>					
R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR No						
Course Designer(s): Raymond Yu		Education Council / Curriculum Committee Representative					
Dean: Rosilyn G. Coulson		Registrar: Trish Angus					

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