



**EFFECTIVE: MAY 2004**  
**CURRICULUM GUIDELINE**

**A. Division:** **Instructional** Effective Date: **MAY 2004**

**B. Department / Program Area:** **Commerce & Business Admin. Computer Information Systems** Revision  New Course

If Revision, Section(s) Revised:  
 Date of Previous Revision:  
 Date of Current Revision:

**C: ITEC 200 D: Information Systems E: 3**

Subject & Course No.	Descriptive Title	Semester Credits
<b>F:</b>	Calendar Description: <b>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.</b>	
<b>G:</b>	Allocation of Contact Hours to Type of Instruction / Learning Settings	<b>H: Course Prerequisites:</b> <b>ITEC110 and ITEC140</b>
	Primary Methods of Instructional Delivery and/or Learning Settings:  <b>Lectures and Laboratory</b>	<b>I: Course Corequisites:</b> <b>NIL</b>
	Number of Contact Hours: (per week / semester for each descriptor)  <b>Lecture: 3 Hours</b> <b>Laboratory: 3 Hours</b> <b>Total: 6 Hours</b>	<b>J: Course for which this Course is a Prerequisite</b> <b>ITEC300, ITEC360</b>
	Number of Weeks per Semester:  <b>12 Weeks</b>	<b>K: Maximum Class Size:</b> <b>20</b>
<b>L: PLEASE INDICATE:</b>	<input type="checkbox"/> Non-Credit <input type="checkbox"/> College Credit Non-Transfer <input checked="" type="checkbox"/> College Credit Transfer: SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS ( <a href="http://www.bccat.bc.ca">www.bccat.bc.ca</a> )	

<b>M:</b>	<p>Course Objectives / Learning Outcomes</p> <p><b>The student will be able to:</b></p> <ol style="list-style-type: none"><li><b>1. define information systems terms as used in current practice by information systems practitioners;</b></li><li><b>2. explain the relationship between information technology and information systems to the organization and to organizational goals;</b></li><li><b>3. explain the functions of systems analysis and design, and the roles and responsibilities of the systems analyst and the project manager;</b></li><li><b>4. describe current methods and approaches to information systems analysis and design;</b></li><li><b>5. use project planning methods and tools including PERT/CPM, Gantt, MS Project and a spreadsheet;</b></li><li><b>6. use analysis methodologies including data flow diagrams, entity-relationship diagrams, structure charts, data dictionaries, UML and various process definition methods.</b></li><li><b>7. explain the importance, the uses and the components of CASE.</b></li><li><b>8. describe the major phases and activities involved in the information system development process, and the corresponding outcomes and deliverables;</b></li><li><b>9. apply the systems development process in exercises and case studies, within an organizational context, using relevant techniques and methods;</b></li><li><b>10. complete a term project based on a case study, to reinforce the concepts, techniques and methods learned in the classroom;</b></li><li><b>11. work on a systems development team.</b></li></ol>
<b>N:</b>	<p>Course Content:</p> <ol style="list-style-type: none"><li><b>1. Introduction to information systems concepts and the systems development life cycle process.</b></li><li><b>2. Current and future trends in systems development methodologies, and overview of current techniques, approaches and tools.</b></li><li><b>3. Systems development life cycle process within a business context, its organizational implications, and the roles of systems professionals.</b></li><li><b>4. Preliminary investigation - problem definition and feasibility analysis.</b></li><li><b>5. Requirements definition - techniques and approaches, both structured and object-oriented.</b></li><li><b>6. Prototyping and rapid application development.</b></li><li><b>7. Analysis and design of data.</b></li><li><b>8. Analysis and design of processes.</b></li><li><b>9. Analysis and design of interfaces.</b></li><li><b>10. Systems reporting and documentation.</b></li><li><b>11. Project planning, management and control.</b></li><li><b>12. Systems construction, testing and implementation.</b></li><li><b>13. Systems operation, review and maintenance.</b></li></ol>

<b>O:</b> Methods of Instruction														
<b>Delivery will be by lecture, group discussion and analysis, case study, and assignments. Assignments will include a term project illustrative of professional practice in the Technology field.</b>														
<b>P:</b> Textbooks and Materials to be Purchased by Students														
<b>Shelly, Gary with Thomas J. Cashman and Harry J. Rosenblatt. <i>Systems Analysis and Design</i>, Latest Edition.</b>														
<b>Q:</b> Means of Assessment														
<table> <tr> <td><b>Assignments and Term Project (minimum 4)</b></td> <td><b>20%-25%</b></td> </tr> <tr> <td><b>Oral Presentation</b></td> <td><b>5%</b></td> </tr> <tr> <td><b>Participation</b></td> <td><b>0%- 5%</b></td> </tr> <tr> <td><b>Quizzes (minimum 2)</b></td> <td><b>10%-20%</b></td> </tr> <tr> <td><b>Midterm Examination</b></td> <td><b>25%-30%</b></td> </tr> <tr> <td><b>Final Examination</b></td> <td><b><u>25%-30%</u></b></td> </tr> <tr> <td></td> <td><b><u>100%</u></b></td> </tr> </table> <p><b>Note: the total weight of quizzes, midterm examination and final examination must be 70% or greater.</b></p>	<b>Assignments and Term Project (minimum 4)</b>	<b>20%-25%</b>	<b>Oral Presentation</b>	<b>5%</b>	<b>Participation</b>	<b>0%- 5%</b>	<b>Quizzes (minimum 2)</b>	<b>10%-20%</b>	<b>Midterm Examination</b>	<b>25%-30%</b>	<b>Final Examination</b>	<b><u>25%-30%</u></b>		<b><u>100%</u></b>
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	<b><u>100%</u></b>													
Prior Learning Assessment and Recognition: specify whether course is open for PLAR														
<b>Yes</b>														

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 Course Designer(s) **Sarah Stephens**


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 Education Council / Curriculum Committee Representative

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 Dean / Director **Rosilyn G. Coulson**


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 Registrar **T. Angus**

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