

Last Revised: March 1, 2015

**COURSE INFORMATION**

**Course Title:** Introduction to Computers & Information Systems in Business

**Course Number:** BUSI 237

**Credits:** 3

**Total Weeks:** 14 (Fall, Spring)  
12 (Summer)

**Total Hours:** 39

**Course Level:**  First Year  Second Year  
 New  Revised Course  
 Replacement Course

**Department:** Computer Science **Department Head:** M. O'Connor

**Former Course Code(s) and Number(s) (if applicable):**  
N/A

**Pre-requisites (If there are no prerequisites, type NONE):**

- Minimum of 15 university credits/ transfer credits

**Co-requisite Statement (List if applicable or type NONE):** NONE

**Precluded Courses:** N/A

**COURSE DESCRIPTION**

This course provides students with a fundamental overview of computer-based information systems and their applications in business, including a discussion of issues involved in the use of information systems by management. The course also provides students with a 'hands-on' tutorial experience in the use of microcomputers with particular emphasis on business productivity tools which include spreadsheets, database management systems, operating systems, etc.

**LEARNING OUTCOMES**

Upon successful completion of the course, students will be able to:

- Define management information systems (MIS) and describe the three important organizational resources within it – people, information, and information technology.
- Describe how to use Porter's Five Forces Model to evaluate the relative attractiveness of and competitive pressures in an industry.
- Describe the key characteristics of a relational database.
- Describe the key characteristics of a data warehouse.
- Describe the four major types of data-mining tools in a data warehouse environment.
- Compare and contrast decision support systems and geographic information systems.
- Describe the major e-commerce business models.
- Identify the differences and similarities among customers and their perceived value of products and services in the B2B and B2C e-commerce business models.
- Define the traditional systems development life cycle (SDLC) and describe the seven major phases within it.
- Describe the self-sourcing process as an alternative to the traditional systems development life cycle.
- Discuss the importance of prototypes and prototyping within any systems development methodology.
- Describe the outsourcing environment and how outsourcing works.
- Define ethics and describe factors that affect how you make a decision concerning an ethical issue.
- Define privacy and describe ways in which it can be threatened.

**INSTRUCTION AND GRADING**

Instructional (Contact) Hours:

Type	Duration
Lecture	39
Seminars/Tutorials	
Laboratory	
Field Experience	
Other ( <i>specify</i> ):	
Total	39

**Grading System:** Letter Grades  Percentage  Pass/Fail  Satisfactory/Unsatisfactory  Other

**Specify passing grade:** 50%

**Evaluation Activities and Weighting** (total must equal 100%)

Assignments: 15% <i>Specify number of, variety, and nature of assignments:</i>	Lab Work: %	Participation: % <i>Specify nature of participation:</i>	Project: % <i>Specify nature of project:</i>
Quizzes/Test: 5% (Computer assignment tests)	Midterm Exam: 35%	Final Exam: 45%	Other: %

**TEXT(S) AND RESOURCE MATERIALS**

Provide a full reference for each text and/or resource material and include whether required/not required.

**Management Information Systems for the Information Age, 9th Edition**, McGraw-Hill/Irwin Haag, Stephen; Cummings, Maeve  
ISBN: 978-0-07-131464-0

**COURSE TOPICS**

List topics and sequence covered.

Week	Topic
Week 1	Chapter 1: The Information Age Homework Assignment #1
Week 2	Extended Learning Module A: Hardware & Software Homework Assignment #2
Week 3	Chapter 4: Decision Support Computer Assignment #1
Week 4	Chapter 3: Databases & Data Warehouses Computer Assignment #2

Week 5	Chapter 3: Databases & Data Warehouses Homework Assignment #3
Week 6	Midterm Exam Review
Week 7	Computer Assignments Test #1  <b>Midterm</b>
Week 8	Chapter 5: Electronic Commerce
Week 9	Chapter 5: Electronic Commerce Homework Assignment #4 Computer Assignment #3
Week 10	Chapter 6: System Development
Week 11	Chapter 6: System Development
Week 12	Chapter 8: Protecting People & Information Homework Assignment #5
Week 13	Final Exam Review Computer Assignments Test #2
Week 14	<b>Final Exam</b>

### NOTES

1. Students are required to follow all College policies. Policies are available on the website at: [Coquitlam College Policies](#)
2. To find out how this course transfers, visit the BC Transfer Guide at: [bctransferguide.ca](http://bctransferguide.ca)