

Regional Campus: Prince George
Department: School of University Studies and Career Access (SUSCA)
Programs: Business Program

CIS 165 – Business Information Systems

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| Term: May – July, 2018 | Prerequisite: none | Credits: 3 |
| Lecture Hours/wk: 3 | Lab Hours/wk: 3 | |
| Lecture Room: 1-314 | Lab Room: 2-315 | |
| Lecture Time: Mon 2:00– 3:55 PM Wed 2:00– 3:45 PM | Lab Time: Tues 2:00– 3:55 PM Thur 2:00– 3:45 PM | |
| Instructor: Garth Frizzell | Office Room: 1-201 | |
| Phone: local 5482 | Office Hours: Mon 10:00AM– 2:00PM Tues 10:00AM– 2:00PM | |
| e-mail: frizzellg@cnc.bc.ca | | |

CALENDAR DESCRIPTION:

Students examine the evolving conceptual framework of business information systems, the application of information system processes supporting current and emerging business strategies, and the development of new business information systems. Through selective hands-on processes, students acquire skills required to support the problem-solving processes involved in business information system development, acquisition and implementation. Students will demonstrate proficiency in emerging cross-platform, web-based processes in addition to traditional office applications. The term project will result in an integration of the conceptual framework of management information systems with the challenge of systems development. Interdisciplinary discussions will prepare the student for further studies within core specialties within the business sectors.

COURSE GOAL and LEARNING OBJECTIVES:

Upon completion of this course, the student will be able to:

1. Describe the relationships between information systems and all ranges of business infrastructures.
2. Illustrate current issues and strategies for information systems application within business environments.
3. Explain emerging technologies and their impact on business processes.
4. Discuss the development and implementation of business information systems ranging from traditional strategies to emerging trends.
5. Explain the business case model for developing Information Systems.
6. Demonstrate IT system acquisition processes.
7. Execute business related tasks using current application software

REQUIRED TEXT:

- Bidgoli, MIS8 Management Information Systems, Course Technology – Cengage Learning, © 2017

INSTRUCTIONAL PROCEDURE: Lecture Schedule

| Week | Dates | Lecture | Due |
|-------------|--------------|--|--|
| 1 | May 7 | 1. Information Systems: an Overview | Quiz #1 |
| | May 9 | 2. Computers: The Machines Behind Computing | Quiz #2 |
| 2 | May 14 | 3. Database Systems, Databases, Data Warehouses | Quiz #3 |
| | May 16 | | |
| 3 | May 21 | VICTORIA DAY – COLLEGE IS CLOSED | Quiz #4 Class Assignment #1 |
| | May 23 | 4. Personal, Legal, Ethical and Organizational Issues of Information Systems | |
| 4 | May 28 | 5. Protecting Information Resources | Quiz #5 Unit Test #1 |
| | May 30 | Unit Test 1 (chapters 1-5) | |
| 5 | June 4 | 6. Data Communication | Quiz #6 |
| | June 6 | | |
| 6 | June 11 | 7. The Internet, Intranets, Extranets | Quiz #7 |
| | June 13 | 8. E-Commerce | |
| 7 | June 18 | 9. Global Information Systems | Class Assignment #2 Quiz #8 Unit Test #2 |
| | June 20 | Unit Test 2 (chapters 6-9) | |
| 8 | June 25 | 10. Building Successful Information Systems | Quiz #9 |
| | June 27 | | |
| 9 | July 2 | CANADA DAY – COLLEGE IS CLOSED | Quiz #10 |
| | July 4 | PERT/ CPM | |
| 10 | July 9 | 11. Enterprise Systems | Quiz #11 |
| | July 11 | 12. Management Support Systems | |
| 11 | July 16 | 13. Building and Managing a Winning Team | Quiz #12 |
| | July 18 | | |
| 12 | July 23 | Presentations | Class Assignment #3 Unit Test #3 |
| | July 25 | Unit Test 3 (chapters 10-13, PERT/CPM) | |

CLASSROOM BASED RESEARCH

Does not apply to this course

| STUDENT EVALUATION | |
|--|-----|
| Quizzes | 10% |
| Attendance | 4% |
| Class Assignments | 9% |
| Unit Tests | 27% |
| Lab Assignments | 40% |
| Lab Test | 10% |
| Please review the Grading and Evaluation of Student Performance Policy http://tools.cnc.bc.ca/CNCPolicies/policyFiles.ashx?polId=76 | |

| LETTER GRADE / PERCENTAGES | |
|-----------------------------------|---------------|
| A+ | 90 % - 100 % |
| A | 85 % - 89.9 % |
| A- | 80 % - 84.9 % |
| B+ | 76 % - 79.9 % |
| B | 72 % - 75.9 % |
| B- | 68 % - 71.9 % |
| C+ | 64 % - 67.9% |
| C | 60 % - 63.9% |
| C- | 55 % - 59.9% |
| D | 50 % - 54.9% |
| F | 0 % - 49.9% |

ACADEMIC HONESTY AND STUDENT CONDUCT:

Students are expected to conduct themselves with academic integrity and in accordance with CNC's established standards of conduct. Penalties for misconduct, including plagiarism, cheating and personal misconduct are outlined in the *Standards of Conduct: Student Responsibility and Accountability* document found in the policies section of CNC's website. All students should familiarize themselves with this document.

http://cnc.bc.ca/Visiting/CNC_Policies.htm

DISABILITY SUPPORT SERVICES

Students who require academic accommodations as a result of a disability should advise both the instructor and disability support services. Students requiring support should familiarize themselves with the College Access: Students with Disabilities policy.

http://cnc.bc.ca/Visiting/CNC_Policies.htm

Topic Outline

1. Differentiate among data, information and knowledge.
2. Differentiate between information technology architecture and information technology infrastructure.
3. Describe the global business environment and the new information technology infrastructure.
4. Examine how information systems are used by different functional areas in an organization.
5. Describe the components of computer-based information systems.
6. Identify the major information systems that support each level of the organization.
7. Describe the major ethical issues related to information technology.
8. Identify the many threats regarding information security.
9. Understand the various defense mechanisms used to protect information systems.
10. Recognize the importance of data, the issues involved in managing data, and the data life cycle.
11. Explain the advantages and disadvantages of the database approach.
12. Describe electronic commerce, its' scope, benefits, limitations and types.
13. Differentiate among the various forms, structures and relationships of electronic commerce.
14. Describe the logistical aspects to electronic commerce.
15. Discuss current wireless technologies, the impacts on business information systems and the individual.
16. Explore emerging opportunities in mobile technology and the pervasive computing.
17. Discuss the major threats to wireless networks.
18. Describe the concepts of management, decision making and computerized support for decision making.
19. Explore the application of new technologies in data mining, data visualization, artificial intelligence and expert systems.
20. Explain and demonstrate the role of transactional processing systems.
21. Examine the role and impact of Enterprise Resource Planning systems, Customer Relationship Management systems, Supply Chain Management systems and Electronic Data Interchange.
22. Describe the Information Technology planning process.
23. Describe the Information Technology justification process and methods.
24. Research and discuss the advantages and disadvantages of acquisitions strategies.
25. Describe the Systems Development Life Cycle, its advantages and limitations.
26. Demonstrate key components of the SDLC utilizing common office application tools.
27. Describe the major methods and tools for building information systems.
28. Apply industry tools in building information systems.
29. Identify the major IT acquisition options and the criteria for option selection.
30. Describe and apply the process of vendor and software selection.
31. Describe the two major types of software, the general function of operating systems, the types of application software, and the major software issues facing organizations today.
32. Utilize word processing application software to produce business documents.
33. Utilize spread sheet application software to solve common business problems.
34. Utilize presentation application software to support business communications.
35. Utilize cross platform communication strategies to collaboratively execute business problem resolutions