

YORK UNIVERSITY  
Faculty of Liberal Arts and Professional Studies  
School of Administrative Studies

**ADMS 2511 - Management Information Systems, Section Q**  
**Winter 2021**  
**COURSE OUTLINE**

**COURSE INSTRUCTOR/CONTACT & VIRTUAL OFFICE HOURS:**

Section Q, Thursdays 4 pm; Location: REMOTE  
First class: Thursday, January 14  
Last class: Thursday, April 1

Course Director: Sepideh Ebrahimi  
Email: [sepidehe@yorku.ca](mailto:sepidehe@yorku.ca)  
Office hours: By appointment

Send email from inside the YorkU.ca domain only. Always close your email correspondence with your name, student number, and class section.

**ORGANIZATION OF THE COURSE:**

Please note that this is a course that depends on fully remote teaching and learning. There will be no in-person interactions or activities on campus.

Classes for this course are comprised of two components: synchronous and asynchronous. The asynchronous component will be available on eClass through voice-over-slides on Microsoft PowerPoint files. More specifically, recorded lectures in the form of voice over slides will be posted to eClass (previously known as Moodle). Students can download and listen to them at their convenience. The synchronous component will be held on Thursdays at 4 PM on Zoom. The Zoom links will be posted to eClass. During these sessions, we will do some practice questions and students can ask questions about the lecture.

**CALENDAR COURSE DESCRIPTION AND PREREQUISITES:**

Overview of information systems and technology: how information systems are selected, designed and managed to provide information needed to run organizations successfully. Topics include the strategic role of information systems; ethical considerations; technology; information systems risks; and security control considerations.

**Prerequisite:** AP/ADMS 1000 3.00. Course credit exclusion: AP/ADMB 2511 3.00.

Students are personally responsible for ensuring that they have the required prerequisites as stated in the course outline or in the course calendar. Students who do not have the prerequisites are at risk of being dropped from the course at any time

during the course. The department will not be responsible for refunds resulting from students being dropped from a course due to a lack of the appropriate prerequisites.

### TECHNICAL REQUIREMENTS FOR TAKING THE COURSE:

Several platforms or software will be used in this course (e.g., Moodle, Salesforce, PowerPoint, Adobe Acrobat, Word, Zoom) through which students will interact with the course materials and the course director/TA, as well as with one another.

Students shall note the following:

- Zoom is hosted on servers in the U.S. This includes recordings done through Zoom.
- If you have privacy concerns about your data, provide only your first name or a nickname when you join a session.
- The system is configured in a way that all participants are automatically notified when a session is being recorded. In other words, a session cannot be recorded without you knowing about it.

Please review the technology requirements and FAQs for eClass, Zoom, and Moodle:  
<https://lthelp.yorku.ca/95441-instructor-faq/how-do-i-access-my-moodle-course>

In addition to a stable, higher-speed Internet connection, students will need a computer with a microphone in the event of an online meeting or to listen to online lectures, and/or a smart device with these features.

Here are some useful links for student computing information, resources and help:

Student guide to eClass and Moodle:

<https://lthelp.yorku.ca/95441-instructor-faq/how-do-i-access-my-moodle-course>

Resources for Zoom:

Zoom@YorkU Best Practices: <https://uit.yorku.ca/wp-content/uploads/sites/5/2020/04/Zoom@YorkU-Best-Practicesv2.pdf>

Zoom@YorkU User Reference Guide: <https://uit.yorku.ca/wp-content/uploads/sites/3/2012/02/Zoom@YorkU-User-Reference-Guide.pdf>

University Information Technology (UIT), Student Services:

<https://uit.yorku.ca/student-services/>

Faculty of Liberal Arts and Professional Studies (LA&PS) Welcome to eLearning page has helpful information and quick links to email services, computing, counselling & disability services and other useful resources:

<https://elearning.laps.yorku.ca/>

To determine Internet connection and speed, there are online tests, such as Speedtest (<https://www.speedtest.net/>) that can be run.]

## COURSE LEARNING OBJECTIVES

The purpose of this course is to provide an overview of the role of information systems in today's organizations and business environment. Specifically, upon completing this course you should be able to:

1. Effectively use IT (information technology) terminology in oral and written business management communication.
2. Describe the main technical elements of the IT infrastructure of a company including hardware, software, networks, and databases. Evaluate which technology is appropriate for particular purposes.
3. Explain the main managerial processes and risks related to IT systems including information systems governance, planning, systems development and security. Identify types of controls with examples to address risks.
4. Provide examples of different types of IS (information systems) that a company could use and how they could be used.
5. Discuss the use of IS to accomplish an organization's goals and to gain a competitive advantage and provide examples of competitive strategies that could be used by particular types of organizations.
6. Discuss ethical and privacy issues related to IT. Explain how privacy legislation affects organizations and how they respond to such legislation.
7. Practice problem solving using cases and self-test your learning using practice multiple choice questions. Work to increase your competence level in working with IT terminology and situations.
8. Develop and implement applications using Salesforce to apply the terms and techniques discussed in our course, including transaction processing, systems development and testing, management reporting and business analytics.

## REQUIRED COURSE TEXT / MATERIALS

### Course text:

Rainer, Prince, Sánchez-Rodríguez, Splettstoesser Hogeterp and Ebrahimi. 2020. Introduction to Information Systems: Supporting and Transforming Business, Fifth Canadian Edition, John Wiley & Sons, Canada, Ltd.

Any additional required reading materials will be posted on the course web site.

### Warning:

- (1) Photocopying more than 10% of a textbook is illegal, and may involve penalties. Do not duplicate textbooks or obtain these photocopies.
- (2) Students are reminded of York University's policy regarding academic dishonesty as outlined in the York student calendars and are expected to comply with those policies in the completion of their work.

### Software requirements:

The *developer edition of Salesforce* is required. Instructions for downloading this software are included in the 1a Max Labs assignment. (Free)

The Max Labs Project software (see <https://www.themaxlabsproject.com/> for further information), cost U.S. \$19.99. For further information see the assignments section of this course outline. Note that assignment 1a does not require purchase of the software. Further instructions are available on our eClass/Moodle web site.

## WINTER 2021 DROP DATES

Last date to add a course without permission of instructor: January 25, 2021

Last date to add a course with permission of instructor: February 8, 2021

Last date to drop a course without receiving a grade: March 12, 2021

If you withdraw between March 13 and the end of classes (April 12), the course remains on your transcript without a grade and is notated as "W".

## EVALUATION:

| <i>Course work</i>              | <i>Due date</i>                                                                                                                                                                                                                                                                                                            | <i>Weight</i>        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Weekly quizzes                  | Individual multiple-choice quizzes to be completed online, submitted before 11:00 a.m. Monday of each week. Refer to individual sessions for due dates. Best 10 of 11 will be counted.                                                                                                                                     | 20%                  |
| Max Lab Assignments             | Max Labs Assignment Lab 1 a, due Feb. 4 (week 4)<br>Max Labs Assignment Lab 1 b, due Feb. 11 (week 5)<br>Max Labs Assignment Lab 2 a, due Mar. 4 (week 8)<br>Max Labs Assignment Lab 2 b, due Mar. 11 (week 9)<br>Max Labs Assignment Lab 3 a, due Mar. 18 (week 10)<br>Max Labs Assignment Lab 3 b, due Mar. 25 (week 11) | 18%<br><br>(3% each) |
| Midterm examination             | Session 6, Common online midterm<br>Due Wednesday, February 24 at 12 noon<br>(opens Monday, February 22 at 9 am<br>Covers Sessions 1 through 5.                                                                                                                                                                            | 27%                  |
| Final Examination               | Cumulative, covering the entire course. During regular examination schedule, April 14-28<br>DATES AND TIMES TBA                                                                                                                                                                                                            | 35%                  |
| Total                           |                                                                                                                                                                                                                                                                                                                            | 100%                 |
| CPA Ontario Excel Labs Activity | <b>OPTIONAL:</b> Attend one or two remote CPA Ontario MS Excel lab activities about business analytics. Complete the form for each lab, and earn 0.5% bonus mark (1% if you attend and submit the form for both labs)<br>Due date: Two business days after the last presentation of the second lab (TBA)                   | 1%                   |

## ASSIGNMENTS, OUTCOMES, POLICIES AND PRACTICES:

### Academic honesty and integrity

Here at York University, we strive to maintain academic integrity to the highest extent possible. Please familiarize yourself with the meaning of academic integrity by completing York University's SPARK Academic Integrity module before completing your first quiz or assignment. Breaches of academic integrity range from cheating to plagiarism (i.e., the improper crediting of another's work or the representation of another's ideas as your own, for example). All instances of academic dishonesty in this course will be reported to the appropriate university authorities, and can be punishable according to the Senate Policy on Academic Honesty.

### Turnitin

To promote academic integrity in this course, students will be normally required to submit their written assignments to Turnitin (via the course Moodle site) for a review of textual similarity and the detection of possible plagiarism. In so doing, students will allow their material to be included as source documents in the Turnitin.com reference database, where they will be used only for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin service are described on the Turnitin.com website. In this course, the take home portions of the examinations will be submitted via a Turnitin link on our course website.

### About the Grading Scheme

Refer to course web site and details of assignments posted on the web site. See also the Course Orientation Handout posted on the course web site.

Grades submitted by an instructor are subject to review by the teaching unit in which the course is offered and by the Faculty Council or Faculty Committee on Academic Policy and Planning. Final course grades may be adjusted to conform to program or Faculty grades distribution profiles. Normally, grades appear on grade reports and transcripts as soon as they are submitted to the Registrar's Office.

<https://calendars.students.yorku.ca/2020-2021/grades-and-grading-schemes>

### *Online weekly quizzes*

Weekly quizzes are available on our eClass course website. There will be no make up for missed quizzes.

### *Midterm exam*

If the midterm examination is missed due to an illness, or other extenuating circumstance, the student should contact the instructor immediately for permission to access the extended date link. The documentation is to be provided the next business day after the missed midterm exam. **IMPORTANT:** students who miss both the originally scheduled examination due date and the extended date will receive a grade of zero for

the midterm. The documentation required to be able to write your midterm on the extended (accommodation) date (i.e., Friday, Feb. 26 at 12 noon) is as follows:

**The documentation required to be able to write the midterm on the extended date is as required by York's academic requirements. Under normal circumstances, this would be:**

A completed medical form (physician's statement) as provided by the Registrar's Office:  
<https://registrar.yorku.ca/pdf/attending-physicians-statement.pdf>

Physician statements need to be from the same day as the midterm or the day immediately after.

- Physician statements older than one day after the date of the midterm exam will not be accepted.
- Physician statements are to be provided to your course director at least one week prior to the makeup midterm date to be eligible to write the makeup midterm.

**These requirements have been suspended due to COVID and York will notify you should they be reinstated. For this term, send to your instructor: your name, student number, section letter, and a reason why you are required to use the extended date.**

#### *Max Labs Project Assignment Labs*

To complete the six Max Labs Project assignments the developer edition of Salesforce.com will be used, which is free, available from the Salesforce website. Resource materials for the Max Labs Project are available from the Max Labs web site (cost US \$19.99), and details on how to obtain these resources are part of Lab 1 b.

The process for signing up for Salesforce.com as well as how to complete the lab assignments will be posted on eClass.

There is a penalty of 10% for every business day for any Max Labs Project assignment that is late.

#### *Optional: CPA Ontario MS Excel Labs Activity*

Each student on an individual basis who is interested in learning more about MS Excel and gaining some hands-on experience with the software could also earn extra marks for this course by attending one or both of the CPA Ontario Excel business analytics remote labs that will be scheduled during the term. The process of registering for the labs and the detailed content will be posted on our eClass website when available. For each lab attended, answer the questions in the special form report that will be posted on the course website. The due date for the report will be posted once the labs have been scheduled and will be two business days after the last scheduled presentation of the labs.

The purpose of these labs is to help you refresh or upgrade your Excel skills, while also learning how to use Excel for business analytics. These are valuable skills that will help you apply the topics of our course, and that you can also add to your resume.

### *Missing other work*

If a student misses any other work he or she will receive a grade of "0" for that piece of course work unless discussed and approved with the course director with appropriate documentation prior to the due date.

## **EXPANDED COURSE DESCRIPTION:**

This course provides an overview of information systems and how such systems are selected, designed and managed to provide information needed to run organizations successfully. Students will consider the strategic role of information technology and systems within organizations and in a competitive business environment, as well as the ethical implications of information systems. This course will examine the technical foundations of information systems, their impact on organizational design, management, and their impact on knowledge accumulation and decision-making. Information systems risks, security and control issues are also covered.

## **ORGANIZATION OF THE COURSE:**

| <i>Session Description and Learning Objectives</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Readings, Assignments and Quizzes</i>                                                                                                                                                                                                                                                      |
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| <b>Session 1 - Week of January 11</b><br><i>Information Systems and the Modern Organization</i><br><u>Learning Objectives:</u> <ul style="list-style-type: none"> <li>• Understand course evaluation methods, assignment structure and the nature of plagiarism</li> <li>• Identify the reasons you need to be an informed user and how this relates to the difficulty of managing information resources and interacting with the information systems department</li> <li>• Describe information technology jobs</li> <li>• Explain the nature and purpose of data items, information and knowledge and how they are used</li> <li>• Examine the basic components of an information system and interrelationships among components</li> <li>• Explain how IT affects organizations, managers, employees and society</li> </ul> | <b>READ Chapter 1</b><br><br><i>Practice Questions:</i><br>* IT's About Business 1.2: TRIEC Helps Canada Newcomers Find a Job, Section 1.2, p. 16<br>* IT's About Business 1.3: Diverse Uses for Drones, Section 1.4, p. 24<br><br><i>Reminder: Do Quiz 1, Due 11 pm Thursday, January 28</i> |
| <b>Session 2 - Week of January 18</b><br><i>Types of Information Systems: Concepts, Management and Strategy</i><br><u>Learning Objectives:</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>READ Chapter 2</b><br><br><i>Practice Questions:</i><br>* IT's About Business 2.2                                                                                                                                                                                                          |



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| <ul style="list-style-type: none"> <li>• Discuss the importance of planning for information technology, and the link between IT planning, business planning and strategy</li> <li>• Explain business process management and the role IT plays as an enabler</li> <li>• Examine business pressures and how organizations respond to them with the use of IT</li> <li>• Explain the role of IT in building competitive advantage using Porter's five forces model and value chain model</li> <li>• Assess which strategies for competitive advantage could match selected organizations</li> <li>• Discuss the alignment between business strategy and IT and the role of information technology governance</li> </ul>                                                                                                                                                                                                                                                                                                                      | <p>BPR, BPE and BPM at Chevron, Section 2.3, p. 30</p> <p>* Closing Case 2.2, Domino's Pizza, p. 65</p> <p><i>Reminder: Do Quiz 2, Due 11 pm Thursday, January 28</i></p>                                                                                                                                      |
| <p><b>Session 3 - Week of January 25</b><br/> <i>Ethics, Privacy, Information Security and Controls</i><br/> <u>Learning Objectives:</u></p> <ul style="list-style-type: none"> <li>• Discuss the role of ethics in the corporate environment and the major ethical issues raised by the use of information systems</li> <li>• Describe privacy and explain how IT affects privacy</li> <li>• Discuss privacy of information and anti-spam legislation in Canada and the implications for IT</li> <li>• Explain the main threats and risks to information security and information systems</li> <li>• Describe the purpose and nature of different types of IS security controls and provide examples of each</li> <li>• Link controls to the threats they could mitigate or prevent</li> <li>• Explain the roles of business continuity planning and of information systems auditing</li> <li>• Identify behavioural and computer-based actions you could take to protect your information assets using a risk-based approach</li> </ul> | <p><b>READ Chapters 3 and 4</b></p> <p><i>Practice Questions:</i></p> <p>* IT's About Business 3.3, Licence Plate Readers, Section 3.2, p. 76</p> <p>* IT's About Business 4.3 The Data Breach at Desjardins Group, Section 4.4, p. 109</p> <p><i>Reminder: Do Quiz 3, Due 11:00 am Monday, February 1</i></p> |
| <p><b>Session 4 - Week of February 1</b><br/> <i>Data, Information and Knowledge Management</i><br/> <u>Learning Objectives:</u></p> <ul style="list-style-type: none"> <li>• Describe the difficulties of managing data and how they can be mitigated by data governance</li> <li>• Distinguish among clickstream data, transactional data and master data; apply types of usage to cases</li> <li>• Use the data hierarchy and build E-R (entity relationship) diagrams</li> <li>• Explain the characteristics of relational database management systems and their role in information reporting</li> <li>• Explain the nature of big data, data warehouses and</li> </ul>                                                                                                                                                                                                                                                                                                                                                              | <p><b>Max Labs Assignment</b><br/> <b>Lab 1 a</b><br/> <b>DUE: Thursday, February 4, at 4 pm</b></p> <p><b>READ Chapter 5, including the Appendix</b></p> <p><i>Practice Questions:</i></p> <p>* IT's About Business 5.3 Data Lakes, Section 5.4, p. 154</p> <p>* Closing Case 5.2 Data</p>                    |



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| <p>data marts, their advantages, disadvantages, control objectives and how they facilitate business analytics</p> <ul style="list-style-type: none"> <li>• Explain the knowledge management system cycle and describe the role of knowledge management systems in managing explicit and tacit knowledge</li> <li>• Provide an example of an SQL query; use E-R diagrams and explain how normalization is accomplished using database joins</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Enhances Fans' Experience at the Tour de France, p. 169</p> <p><i>Reminder: Do Quiz 4, Due 11:00 am Monday, February 8</i></p>                                                                                                                                                                                                                                                                                                      |
| <p><b>Session 5 - Week of February 8</b><br/> <i>Managing Computer Hardware and Software</i><br/> <u>Learning Objectives:</u></p> <ul style="list-style-type: none"> <li>• Discuss the computer hierarchy and explain its impact on IT usage</li> <li>• Define the main hardware and software components of an information system and consider how they are used for business applications</li> <li>• Explain the characteristics and uses of different types of information systems storage</li> <li>• Discuss the differences between system software and application software with examples</li> <li>• Discuss the advantages and disadvantages of open source software</li> <li>• Describe the types of cloud computing, providing examples of how they are used for differing enterprise computing goals</li> <li>• Discuss the benefits of and concerns with cloud computing.</li> <li>• Examine strategic issues related to hardware, software and cloud computing to enable effective IT architectures</li> </ul> | <p><b>Max Labs Assignment</b><br/> <b>Lab 1 b</b><br/> <b>DUE: Thursday, February 11, at 4 pm</b></p> <p><b>READ Technology Guides 1, 2 and 3</b></p> <p><i>Practice Questions:</i><br/> * IT's About Business 1.1 A Variety of Digital Transformations, Section 1.1, p. 5<br/> * IT's About Business 2.3, Cruise Ships Embrace Technology, Section 2.3, p. 51</p> <p><i>Reminder: Do Quiz 5, Due 11:00 am Monday, February 22</i></p> |
| <p><b>Reading Week: February 13 to 19</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>No sessions</b></p>                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p><b>Session 6 - Take-home Midterm Examination (Covering Sessions 1 to 5 inclusive) due Wednesday, February 24 at 12 noon</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><i>DO Practice midterm exam, Work on weekly practice questions</i></p>                                                                                                                                                                                                                                                                                                                                                              |
| <p><b>Session 7 - Week of February 22</b><br/> <i>Harnessing Telecommunications Networks, Web 2.0 and Social Computing</i><br/> <u>Learning Objectives:</u></p> <ul style="list-style-type: none"> <li>• Describe the hardware, software and standards that comprise modern networks</li> <li>• Explain the telecommunications and network technologies that comprise a telecommunications system and that support the Internet, intranets and extranets</li> <li>• Discuss the origins and potential future of the Internet</li> <li>• Discuss the main applications of network technologies in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>READ Chapters 6 and 9</b></p> <p><i>Practice Questions:</i><br/> * IT's About Business 6.1 Is Broadband Internet a Right or a Privilege? Section 6.3, p. 183<br/> * IT's About Business 9.4 Chatbots and Conversational Commerce, Section 9.5, p.</p>                                                                                                                                                                            |

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| businesses for the purposes of discovery, communication, collaboration and education <ul style="list-style-type: none"> <li>• Describe Web 2.0 tools and types of sites</li> <li>• Describe the benefits and risks of social commerce and methods used for shopping socially</li> <li>• Explain the impact of social networking on organizations, including innovative uses for marketing, customer service and human resources</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 291<br><br><i>Reminder: Do Session 7 Quiz, Due 11:00 am Monday, March 1</i>                                                                                                                                                                                                                                                                                                                                                              |
| <b>Session 8 - Week of March 1</b><br><i>Utilizing E-business and E-Commerce; Wireless Technologies</i><br><u>Learning Objectives: E-business and E-Commerce</u> <ul style="list-style-type: none"> <li>• Describe and provide examples of the different types of e-commerce, their mechanisms and e-commerce business models for organizations, consumers and employees</li> <li>• Explain the different types of electronic payment methods and evaluate their risks and benefits</li> <li>• Describe ethical and legal issues associated with e-business</li> </ul> <i>Wireless Technologies</i> <ul style="list-style-type: none"> <li>• Describe and evaluate the main types of wireless transmission media and networks</li> <li>• Describe the major threats to wireless networks</li> <li>• Examine the Internet of Things and assess which sensors could be used</li> <li>• Consider the effects of global positioning systems on the application of mobile computing and mobile commerce</li> </ul> | <b>Max Labs Assignment Lab 2 a</b><br><b>DUE: Thursday, March 4, at 4 pm</b><br><br><b>READ Chapters 7 and 8</b><br><br><i>Practice Questions:</i> <ul style="list-style-type: none"> <li>* IT's About Business 7.3 Amazon's B2B Marketplace, Section 7.3, p. 226</li> <li>* IT's About Business 8.4, Marks &amp; Spencer Embraces RFID, Section 8.4, p. 260</li> </ul> <i>Reminder: Do Session 8 Quiz, Due 11:00 am Monday, March 8</i> |
| <b>Session 9 - Week of March 8</b><br><i>Using Information Systems within the Organization</i><br><u>Learning Objectives:</u> <ul style="list-style-type: none"> <li>• Review the different types of information systems and their users</li> <li>• Examine the benefits and limitations of transaction processing systems, functional area information systems, and ERP (enterprise resource planning) and ERP II systems</li> <li>• Provide examples of these systems for typical organizations, stating how they would be used</li> <li>• Discuss functional area information systems' reports and their uses</li> <li>• Explain how ERP supports cross-functional business processes</li> </ul>                                                                                                                                                                                                                                                                                                           | <b>Max Labs Assignment Lab 2 b</b><br><b>DUE: Thursday, March 11, at 4 pm</b><br><br><b>READ Chapter 10</b><br><br><i>Practice Questions:</i> <ul style="list-style-type: none"> <li>* IT's About Business 10.2 Under Armour Finds a Chip in Their Armor, Section 311, p. 311</li> <li>* Closing Case 10.2 TouchBistro Point-of-Sale Solution, p. 324</li> </ul> <i>Reminder: Do Session 9</i>                                           |

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| <b>Session 10 - Week of March 15</b><br><i>Customer relationship management, supply chain management and information technology</i><br><u>Learning Objectives:</u> <ul style="list-style-type: none"> <li>• Explain the basic concepts of CRM (customer relationship management) and SCM (supply chain management)</li> <li>• Describe the functions and business applications of multiple types of CRM</li> <li>• Describe problems along the supply chain and how IT can be used to solve them</li> <li>• Describe EDI (electronic data interchange) and discuss its advantages and disadvantages</li> <li>• Explain how EDI, extranets and portals support SCM</li> <li>• Summarize the combined effects of automated CRM and SCM on businesses</li> </ul>                                                                              | <b>Max Labs Assignment</b><br><b>Lab 3 a</b><br><b>DUE: Thursday, March 18, at 4 pm</b><br><br><b>READ Chapter 11</b><br><br>* IT's About Business 11.1<br>Indochino Moves from an Online Business to Omni-Channelling, Section 11.1, p. 331<br>* IT's About Business 11.5<br>Flexe, the Airbnb of Warehousing, Section 11.5, p. 348<br><br><i>Reminder: Do Session 10 Quiz, Due 11:00 am Monday, March 22</i>              |
| <b>Session 11 - Week of March 22</b><br><i>The Power of Business Analytics</i><br><u>Learning Objectives:</u> <ul style="list-style-type: none"> <li>• Describe roles performed by managers and explain the functions that IT plays in supporting decision making</li> <li>• Describe the business analytics process and its supporting pillars</li> <li>• Provide the statistical procedures used to facilitate descriptive, predictive and prescriptive analytics</li> <li>• Describe tools used for data presentation that support business analytics and business intelligence (dashboards and data visualization technologies)</li> <li>• Contrast the capabilities of natural and artificial intelligence (AI) systems</li> <li>• Describe the types of AI available and how their application can support business goals</li> </ul> | <b>Max Labs Assignment</b><br><b>Lab 3 b</b><br><b>DUE: Thursday, March 25, at 4 pm</b><br><br><b>READ Chapter 12 and Technology Guide 4</b><br><br><i>Practice Questions:</i><br>* IT's About Business 12.1<br>Insight4Care, Section 12.1, p. 374<br>* IT's About Business 12.5<br>United Parcel's Three Types of Analytics, Section 385, p. 385<br><br><i>Reminder: Do Session 11 Quiz, Due 11:00 am Monday, March 29</i> |
| <b>Session 12 - Week of March 29</b><br><i>Acquiring Information Systems and Applications</i><br><u>Learning Objectives:</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>READ Chapter 13</b><br><br><i>Practice Questions:</i>                                                                                                                                                                                                                                                                                                                                                                    |

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| <ul style="list-style-type: none"> <li>• Justify the importance of information technology planning</li> <li>• Describe the processes used to justify IT investments</li> <li>• Discuss the advantages and disadvantages of eight strategies for acquisition of IT applications</li> <li>• Describe the six processes in the traditional systems development process and discuss its advantages and disadvantages</li> <li>• Evaluate the advantages and disadvantages of alternative systems development methods and tools</li> <li>• Decide which acquisition method is best for different requirements or businesses</li> </ul> <p><i>(Accommodated students last quiz due date is also April 12, the last day of classes)</i></p> | <p>* IT's About Business 13.1<br/>Developers Help<br/>Developers Help Dry<br/>Cleaners, Section 13.2, p. 403</p> <p>* Closing Case 13.2<br/>Customization Payroll<br/>Disaster at the<br/>Government of Canada, p. 419</p> <p><i>Reminder: Do Session 12 Quiz, Due 11:00 am Monday, April 5</i></p> |
| <p><b>Session 13 -- Final Examination</b><br/> <b>During regular examination schedule,</b><br/> <b>April 14 to April 28, Cumulative: Covering Sessions 1 - 12</b><br/> <b>See "Relevant university regulations" section of this course outline for more details.</b><br/> <b>DATES AND TIMES TBA</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b><u>DO</u></b> Practice final exam and weekly practice questions</p>                                                                                                                                                                                                                           |

## **RELEVANT UNIVERSITY REGULATIONS**

Should there be any updates to these regulations, you can review the most recent Faculty of Liberal Arts and Professional Studies regulations, which are used by SAS (the School of Administrative Studies) at:

<https://sas.laps.yorku.ca/students/school-policies/>

**Deferred Exams:** Deferred standing may be granted to students who are unable to write their final examination at the scheduled time or to submit their outstanding course work on the last day of classes. Details can be found at <http://myacademicrecord.students.yorku.ca/deferred-standing>

Any request for deferred standing on medical grounds must **comply with University regulations. As of the writing of this outline the requirement for APS forms had been suspended. If it resumes, the University will inform you of such resumption, and you would** include an Attending Physician's Statement form; a "Doctor's Note" will not be accepted.

DSA Form: [http://www.registrar.yorku.ca/pdf/deferred\\_standing\\_agreement.pdf](http://www.registrar.yorku.ca/pdf/deferred_standing_agreement.pdf)

Attending Physician's Statement form: <http://registrar.yorku.ca/pdf/attending-physicians-statement.pdf>

In order to apply for deferred standing (**even without a DSA**), students must register at <http://apps.eso.yorku.ca/apps/adms/deferredexams.nsf>

followed by handing in a completed DSA form and supporting documentation directly to the main office of the School of Administrative Studies (282 Atkinson) and add your ticket number to the DSA form. The DSA and supporting documentation must be submitted no later than five (5) business days from the date of the exam. These requests will be considered on their merit and decisions will be made available by logging into the above-mentioned link. No individualized communication will be sent by the School to the students (no letter or e-mails).

Students **who submit a request in compliance with University regulation** or with approved DSA will be able to write their deferred examination during the School's deferred examination period. No further extensions of deferred exams shall be granted. The format and covered content of the deferred examination may be different from that of the originally scheduled examination. The deferred exam may be closed-book, cumulative and comprehensive and may include all subjects/topics of the textbook whether they have been covered in class or not. Any request for deferred standing on medical grounds must include an Attending Physician's Statement form; a "Doctor's Note" will not be accepted.

**School of Administrative Studies deferred exams for the Winter 2021 term will be scheduled with the regularly scheduled final examinations of the Summer 2021 term.**

**Academic Honesty:** The Faculty of Liberal Arts and Professional Studies considers breaches of the Senate Policy on Academic Honesty to be serious matters. The Senate Policy on Academic Honesty is an affirmation and clarification for members of the University of the general obligation to maintain the highest standards of academic honesty. As a clear sense of academic honesty and responsibility is fundamental to good scholarship, the policy recognizes the general responsibility of all faculty members to foster acceptable standards of academic conduct and of the student to be mindful of and abide by such standards. Suspected breaches of academic honesty will be investigated, and charges shall be laid if reasonable and probable grounds exist.

Students should review the York Academic Honesty policy for themselves at: <https://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/>

Students might also wish to review the interactive on-line Tutorial for students on academic integrity, at: <https://spark.library.yorku.ca/academic-integrity-what-is-academic-integrity/>

**Grading Scheme and Feedback Policy:** The grading scheme (i.e. kinds and weights of assignments, essays, exams, etc.) shall be announced, and be available in writing, within the first two weeks of class, and, under normal circumstances, graded feedback worth at least 15% of the final grade for Fall, Winter or Summer Term, and 30% for 'full year' courses offered in the Fall/Winter Term be received by students in all courses prior to the final withdrawal date from a course without receiving a grade, with the following exceptions:

*Note: Under unusual and/or unforeseeable circumstances which disrupt the academic norm, instructors are expected to provide grading schemes and academic feedback in the spirit of these regulations, as soon as possible.* For more information on the Grading Scheme and Feedback Policy, please visit: <https://secretariat-policies.info.yorku.ca/policies/grading-scheme-and-feedback-policy/>

**Tests and Exams - the 20% Rule:** For all Undergraduate courses, except those which regularly meet on Friday evening or on a weekend, tests or exams worth more than 20% will not be held in the two weeks prior to the beginning of the official examination period. For further information on the 20% Rule, please visit: <http://secretariat-policies.info.yorku.ca/policies/limits-on-the-worth-of-examinations-in-the-final-classes-of-a-term-policy/>

**Reappraisals:** Students may, with sufficient academic grounds, request that a final grade in a course be reappraised (which may mean the review of specific pieces of tangible work). Non-academic grounds are not relevant for grade reappraisals; in such cases, students are advised to petition to their home Faculty. Students are normally expected to first contact the course director to discuss the grade received and to request that their tangible work be reviewed. Tangible work may include written, graphic, digitized, modeled, video recording or audio recording formats, but not oral work. Students need to be aware that a request for a grade reappraisal may result in the original grade being raised, lowered or confirmed. For reappraisal procedures and information, please visit the Office of the Registrar site at: <http://myacademicrecord.students.yorku.ca/grade-reappraisal-policy>

**Accommodation Procedures:** LA&PS students who have experienced a misfortune or who are too ill to attend the final examination in an ADMS course should not attempt to do so; they must pursue deferred standing. Other students should contact their home Faculty for information. For further information, please visit: <http://ds.info.yorku.ca/academic-support-accomodations/>

**Religious Accommodation:** York University is committed to respecting the religious beliefs and practices of all members of the community, and making accommodations for observances of special significance to adherents. For more information on religious accommodation, please visit: <https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs>

**Academic Accommodation for Students with Disabilities (Senate Policy)**

The nature and extent of accommodations shall be consistent with and supportive of the integrity of the curriculum and of the academic standards of programs or courses. Provided that students have given sufficient notice about their accommodation needs, instructors shall take reasonable steps to accommodate these needs in a manner consistent with the guidelines established hereunder. For more information, please visit the Counselling and Disability Services website at <https://secretariat-policies.info.yorku.ca/policies/academic-accommodation-for-students-with-disabilities-guidelines-procedures-and-definitions/>

York's disabilities offices and the Registrar's Office work in partnership to support alternate exam and test accommodation services for students with disabilities at the Keele campus. For more information on alternate exams and tests please visit <http://www.yorku.ca/altexams/>  
Please alert the Course Director as soon as possible should you require special accommodations.

Effective date: December 23, 2020