

Faculty of Liberal Arts & Professional Studies

Course title: Introduction to Enterprise Resource Planning Applications

**Course Code AP/ADMS 3502 3.0 Section A -Virtual Lecture via ZOOM
Session Fall 2020**

Tuesdays 4:00pm to 7:00pm September 15 – December 8, 2020

Course instructor: Professor John Kucharczuk – Email: jkuchar@yorku.ca

ADDITIONAL REQUIREMENTS:

Explains and demonstrates how Enterprise Resource Planning (ERP) Systems, a group of integrated software modules, run virtually all business processes in an organization. ERP Systems include modules such as management accounting, sales, logistics, production/materials management, procurement, and human resources. Prerequisites: AP/ADMS 2511 3.00 or AP/ITEC 1010 3.00. Course credit exclusions: None.

Students are personally responsible to ensure 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.

Course Information:

Course webpage: TBD Moodle

Technical requirements for taking the course:

Several platforms will be used in this course (e.g., Moodle, Zoom, etc.) through which students will interact with the course materials, the course director, and the students within the course. Student /group presentations will be conducted during class time via ZOOM and office hours will be arranged with the student and the Professor via Zoom by sending an email to the professor at jkuchar@yorku.ca.

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. If you plan to use a nickname inform the Professor of this name by YorkU email.

- 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 note that all Lecture / Class ZOOM recordings:

- 1) should be used for educational purposes only and as a means for enhancing accessibility.
- 2) students do not have permission to duplicate, copy and/or distribute the recordings outside of the class (these acts can violate not only copyright laws but also [FIPPA](#));
- 3) all recordings will be destroyed after the end of the course on or about December 24th, 2020

As a Student please review the [technology requirements and FAQs for Moodle](#). The course will be running in a Virtual Classroom environment, so connectivity and participation is required for all scheduled Virtual classroom sessions.

For the students to fully participate in the course, students will need the technology to:

- 1) to participate through video conferencing (ZOOM) – Microphone and
- 2) Students will also appear on video (working camera will be required - webcam)
- 3). a stable High-speed internet connection
- 4). use of Power Point Software for Presentations

Note: if a student has a current (purchased recently) Computer or a smart device, the requirements for items #1 & #2 may have these features – please check to and make sure these functions are fully operational before the first class.

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

[Student Guide to Moodle](#)

[Zoom@YorkU Best Practices](#)

[Zoom@YorkU User Reference Guide](#)

[Computing for Students Website](#)

[Student Guide to eLearning at York University](#)

To determine Internet connection and speed, there are online tests, such as [Speedtest.net](#), that can be run.]

Times and locations:

Course will be held on Tuesday from 4:00pm to 7:00pm via ZOOM which is accessible by accessing it using the course Moodle website

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

Organization of the course

This course will be run synchronous Tuesday from 4:00pm to 7:00pm using

ZOOM and Moodle.

Lecture - All lectures will be recorded and available at least 2 working days on the course website

Classes are on Tuesdays from 4:00pm to 7:00pm via ZOOM – the link for the course will be found in the Courses Moodle Website - just go and click and you will be in the class

Schedule

Session 1 (Sep 15)

Introduction

- Overview of Enterprise Resource Planning (ERP)
- Getting Started with SAP
- Master Data and its role in ERP systems
- Difference between transactional data and master data

- Introduction to the Flya Kite – Case company
- Introduction to the ERPsim – simulation game

Required:

- Read: Chapter 1: Introduction (Flya Kite Textbook)
- [Readings on Enterprise Resource Planning](#): Chapter 1: Importance and Impact of ERP Systems on Industry and Organization. (ERPsim Website)
- Flya Kite Exercises: Chapter 1 Setup Exercises (Flya Kite Exercises Textbook) due Sep 22 (3.30 pm)

Session 2 (Sep 22)

Business processes Management – Procurement Process

- Forecasting raw material requirements using sales information, production requirements, sales forecast
- Difference between purchase requisitions and purchase orders
- Vendors and pricing conditions
- Type of goods movement. Receiving goods into inventory

Required:

- Read: Chapter 2 Procurement Logistics (MM) (Flya Kite Textbook)
- Flya Kite Exercises: Chapter 2 Procurement Logistics (MM) (Flya Kite Exercises Textbook) due Sep 29 (3.30 pm)

- [Readings on Enterprise Resource Planning](#): Chapter 2: Why do Companies Implement ERP Systems? – The Goals and Reasons behind ERP Implementation Projects. (ERPsim Website)

Session 3 (Sep 29)

Business processes Management: Production Process - Planning and Execution

- Creating a production plan
- Independent and dependent materials requirements
- Master data needed for production
- Executing a Production process
- Monitoring Inventory and Goods movement

Required:

- Read: Chapter 3 Production Logistics (PP) (Flya Kite Textbook)
- Flya Kite Exercises: Chapter 3: Production Logistics (PP) (Flya Kite Exercises Textbook) due October 6 (3.30 pm)
- [Readings on Enterprise Resource Planning](#): Chapter 5: Critical success factors for ERP system selection, implementation and post-implementation. (ERPsim Website)

Session 4 (Oct 6)

Business Process Management: Sales Process - Fulfillment

- Creating customer master data, material master data and pricing conditions
- Executing a sales cycle
- Reporting and analysis of sales data

Required:

- Read: Chapter 4 Sales Logistics (SD) (Flya Kite Textbook)
- Flya Kite Exercises: Chapter 4: Sales Logistics (SD) due October 20 (3:30 pm)
- [Readings on Enterprise Resource Planning](#): Chapter 4: ERP Implementation Methodologies and Strategies (ERPsim Website)

Presentation: (Team A).

October 15 (reading week)

No classes October 12 -17

Session 5 (Oct 20)

Financial Accounting and Controlling (FI and CO)

- Organizational levels and master data in financial accounting
- Posting financial transactions
- Controlling – Cost centers and cost elements
- Allocating Costs – Assessments and distributions

Required:

- Read: Chapter 5: Financial Accounting and Controlling (FI and CO) (Flya Kite Textbook)
- Flya Kite Exercises: Chapter 5: Financial Accounting and Controlling (FI and CO) (Flya Kite Exercises Textbook) due on October 27 (3.30pm)
- [Readings on Enterprise Resource Planning](#) (ERPsim Website): Chapter 6: Tailoring of ERP Systems

Presentation: (Team B)

Session 6 (Oct 27)

Warehouse Management (WM) and Human Capital Management (HCM)

- Organizational Management in HCM
- Master data (in WM and HCM)
- Posting transactions (in WM and HCM)

Required:

- Read: Chapter 6: Human Capital Management (HCM) (Flya Kite Textbook)
- Flya Kite Exercises: Chapter 6: Human Capital Management (HCM) (Flya Kite Exercises Textbook) due on November 3 (3.30pm)
- [Readings on Enterprise Resource Planning](#) (ERPsim Website) Chapter 13: Individual User Adaptation to ERP

Presentation (Team C)

Session 7 (Nov 3)

Midterm covers all Material from Weeks 1 to 6 following items:

- Flya Kite textbook
- Microsoft PowerPoint files used for lectures
- Readings on Enterprise Resource Planning (chapters covered)

Session 8 (Nov 10)

Intro to ERP Simulation Game

- Game overview
- Teams and roles
- ERPsim Game Simulation: Introductory Manufacturing Game
- Simulation rounds 1 to 3

Required:

- Read: [NEW! Participant's Guide - 2018-2019](#), Chapters 1 to 4 and 7 (ERPsim Website)

Session 9 (Nov 17)

ERP Simulation Game: Extended Manufacturing Game

- Description of variables and constraints in the extended game
- Planning and forecasting for procurement, production and distribution
- Strategies for maximizing profits
- Interest and warehouse costs
- Simulation Rounds 1 to 3

Required:

- Read: [NEW! Participant's Guide - 2018-2019](#), Chapter 5 (ERPsim Website)
- Cash-to-cash exercise. ERPsim full cash-to-cash cycle exercise ([Participant's Guide - 2015-2016 for the Manufacturing Game](#), Page 91) (ERPsim Website) due on November 24 (3.30pm)
- [Readings on Enterprise Resource Planning](#) (ERPsim Website) Chapter 18: Supplier Relationship Management

Presentation (Team D)

Session 10 (Nov 24)

ERP Simulation Extended Manufacturing Game

- Analyzing data from rounds 1 to 3
- Simulation Rounds 4 to 6
- Analysis of the entire game/market

Required:

- Read: [NEW! Participant's Guide - 2018-2019](#), Chapter 5 (ERPsim Website)

- [Readings on Enterprise Resource Planning](#): Chapter 16: Business intelligence. (ERPsim Website)

Presentation (Team E)

- [Readings on Enterprise Resource Planning](#): Chapter 15: The analytical organization. (ERPsim Website)

Presentation (Team F)

Session 11 (Dec 1)

ERP Simulation Extended Manufacturing Game (Competition day)

- Extended Manufacturing Game competition

Required:

- [Readings on Enterprise Resource Planning](#): Chapter 21: Computing, Software as a Service & Next Generation ERP

Presentation (Team G)

- ERPsim report due on Dec 8 (3.30pm)

Session 12 (Dec 8)

ERPsim Student presentations:

- Game Analysis and presentations – Provide a thorough analysis of your team's performance in the game

Session 13- Final Exam (During regular examination schedule)

Final exam from Dec 9 to Dec 23, do not make travel arrangements during this time period

- Flya Kite textbook
- Microsoft PowerPoint files used for lectures
- Readings on Enterprise Resource Planning (chapters covered)
- ERPsim participants guide 2018-19

Research articles assignments to groups

- Presentation: (Team A). Chapter 4: ERP Implementation Methodologies and Strategies. (ERPsim Website [Readings on Enterprise Resource Planning](#))
- Presentation: (Team B). ERPsim Website: Chapter 6: Tailoring of ERP Systems. (ERPsim Website [Readings on Enterprise Resource Planning](#))
- Presentation (Team C) ERPsim Website: Chapter 13: Individual User Adaptation to ERP. (ERPsim Website [Readings on Enterprise Resource Planning](#))
- Presentation: (Team D) ERPsim Website: Chapter 18: Supplier Relationship Management (ERPsim Website [Readings on Enterprise Resource Planning](#))
- Presentation (Team E) ERPsim Website: Chapter 16: Business intelligence. (ERPsim Website [Readings on Enterprise Resource Planning](#))
- Presentation (Team F) ERPsim Website: Chapter 15: The Analytical Organization. (ERPsim Website [Readings on Enterprise Resource Planning](#))\
- Presentation (Team G) ERPsim Website: Chapter 21: Computing, Software as a Service & Next Generation ERP (ERPsim Website [Readings on Enterprise Resource Planning](#))

Evaluation: - Final Grade Composition

Flya Kite exercises (6 x 2.5%) Due weekly Sept 22 to November 3rd at 15:30	15%	Individual
Participation	5%	Individual
Midterm exam Session 7 Tuesday November 7	20%	Individual
Article presentation – One group per week will present	5%	Group
ERPsims cash to cash exercise November 24th	5%	Group
ERPsims Report – Presentation December 8th	15%	Group
Final exam December 9 to 23	35%	Individual
TOTAL	100%	

Virtual office hours:

The Professor will be available at the end of the lecture for office hours – using ZOOM Professor will be able to place our meeting into a Private CHAT room. If you are not available to meet after lecture, meetings you can request by emailing the Professor at jkuchar@yorku.ca with suggested times and days. The Professor will reply with date and time for this meeting or suggested other times in the days you have suggested.

Course readings – Textbook:

Flya Kite Reading and Exercises Material (available on the course Moodle website):

Quarles, R., Noman. F., (2017). Flya Kite Fully Integrated Case Student Text (MM, PP, SD, FI/CO, HR); Version 9.0, SAP University Alliance Curriculum. (Flya Kite Textbook)

Quarles, R., Noman. F., (2016). Flya Kite Fully Integrated Case Student Exercises (MM, PP, SD, FI/CO, HR); Version 8.0, SAP University Alliance Curriculum. (Flya Kite Exercises Textbook)

ERPsims Reading and Exercises Material (available on the ERPsims website):

Léger, P.-M., Robert, J., Babin, G., Pellerin, R., and Wagner, B. (2016). ERP Simulation Game with SAP ERP: Manufacturing Game, ERPsims Lab, HEC Montréal, 374 pages (ISBN: 978-0-9866653-2-5),

https://erpsims.hec.ca/en/system/files/Manufacturing_ParticipantGuide_2015-2016_EN.pdf.

Léger, P.-M., Robert, J., Babin, G., Lyle, D., Pellerin, R., and Wagner, B. (2019). Participants' Guide: Manufacturing Game, ERPSim Lab, HEC Montréal, 93 pages (ISBN: 978-0-9866653-2-5),

https://erpsim.hec.ca/en/system/files/2018-2019_Manufacturing_ParticipantsGuide_1.pdf.

Léger, P.-M., Pellerin, R. et Babin, G. (2011). Readings on Enterprise Resource Planning, ERPSim Lab, HEC Montréal, 331 pages (ISBN: 978-0-9866653-3-2), <https://erpsim.hec.ca/en/node/379>.

To access the ERPSim reading and exercises students need to purchase the access code which will be provided on the course website.

Course policies

Assignment Submission: Proper academic performance depends on students doing their work not only well, but on time. Accordingly, assignments for this course must be received on the due date specified for the assignment. Assignments are to be handed using Moodle, these are listed above.

Lateness Penalty: Assignments received later than the due date will be penalized at the rate of 10% per day – weekends count. Since the assignments are listed and available there will be NO exceptions to this.

Missed Tests – Exercises:

Exercises and Presentations are to be submitted before the stated deadlines; no extensions will be given.

Final Presentation all students must stay online for all presentation are completed – it is only fair that they watch and listened to your presentation that you should be watching and listening to theirs, There will be a penalty applied of 20% deduction of your presentation grade if you are no in attendance for all of the presentations.

If Missing of the Midterm examination on Tuesday November 7th during Lecture time is missed due to illness due to an illness, or other extenuating circumstance, the student's midterm percentage will be added onto the final examination. The documentation required for this reallocation is as follows:

A completed medical form (physician's statement) as provided by the Registrar's Office:

<http://www.yorku.ca/laps/council/students/documents/APS.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 and the request to add the amount to the final examination will be denied.

Note to all Students:

*All materials prepared for **ADMS3502** at York University are the intellectual property of Professor John Kucharczuk the Course Director unless otherwise stated. Course materials should only be used by students enrolled in this course. This can include the following material: lecture handouts, spoken and written presentations, audio and video recordings, PowerPoint slides, as well as questions and/or solution sets for assignments, quizzes, tests and final exams, among other pieces of intellectual property. As a student in this course, you may not publish, post on an Internet site, sell, or otherwise distribute any of this work without the instructor's express permission. Unauthorized or commercial use of these materials is strictly prohibited. Third party copyrighted materials (such as book chapters, journal articles, music, videos, etc.) have either been licensed for use in this course, or fall under an exception or limitation in Canadian copyright law. Copying this material for distribution (e.g. uploading material to a commercial third-party website, or online sharing of course material with people outside of the course) may lead to a charge of misconduct under York's [Code of Student Rights and Responsibilities](#) and the Senate Policy on [Academic Honesty](#). In addition, you may face legal consequences for any violation of copyright law.*

All recorded lectures, student comments, and questions, open discussions, Presentations by both the Professor and students using ZOOM with the recording place on the course Moodle website follows the above paragraph about Intellectual property and will be deleted after on or about December 24th, 2020.(upon completion of final exams)

Academic honesty and integrity

In this course, we strive to maintain academic integrity to the highest extent possible. Please familiarize yourself with the meaning of academic integrity by completing SPARK's [Academic Integrity module](#) at the beginning of the course. Breaches of academic integrity range from cheating to plagiarism (i.e., the improper crediting of another's work, the representation of another's ideas as your own, etc.). 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) 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.

Online proctoring

This course requires the use of online proctoring for examinations. The instructor may use an online proctoring service to deliver the exam(s), which would be administered

through the Learning Management System (Moodle). Students are required to have access to minimum technology requirements to complete examinations. If an online proctoring service is used, students will need to become familiar with it at least five days before exam(s). For technology requirements, Frequently Asked Questions (FAQs) and details about the online proctoring service, please visit the [Registrar's Office's page on online exam proctoring](#). Students are required to share any IT accommodation needs with the instructor as soon as they are able.

June 10, 2020