

**ADMS 3502 – Introduction to Enterprise Resource Planning
Applications
Fall 2019, Tuesdays, 4.00pm to 7.00pm,
Location: DB 2114**

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Calendar Description and Prerequisites

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.

Required Text

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://erpsim.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, ERPsims 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.

Schedule

Session 1 (Sep 10)

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 17 (3.30 pm)

Session 2 (Sep 17)

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 24 (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 24)

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 1 (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 1)

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 8 (3:30 pm)
- [Readings on Enterprise Resource Planning](#): Chapter 4: ERP Implementation Methodologies and Strategies (ERPsim Website)

Presentation: (Team A).

Session 5 (Oct 8)

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 22 (3.30pm)
- [Readings on Enterprise Resource Planning](#) (ERPsim Website): Chapter 6: Tailoring of ERP Systems

Presentation: (Team B)

October 15 (reading week)

No class

Session 6 (Oct 22)

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 5 (3.30pm)
- [Readings on Enterprise Resource Planning](#) (ERPsim Website) Chapter 13: Individual User Adaptation to ERP

Presentation (Team C)

Session 7 (Oct 29)

Midterm from

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

Session 8 (Nov 5)

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 12)

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 19 (3.30pm)
- [Readings on Enterprise Resource Planning](#) (ERPsim Website) Chapter 18: Supplier Relationship Management

Presentation (Team D)

Session 10 (Nov 19)

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

Presentation (Team E)

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

Presentation (Team F)

Session 11 (Nov 26)

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)

- ERPsims report due on Dec 3 (3.30pm)

Session 12 (Dec 3)

ERPsims 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

- 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](#))

Final Grade Composition

Flya Kite exercises (6 x 2.5%)	15%	Individual
Participation	5%	Individual
Midterm exam	20%	Individual
Article presentation	5%	Group
ERPsim cash to cash exercise	5%	Group
ERPsim Report	15%	Group
Final exam	35%	Individual
TOTAL	100%	

RELEVANT UNIVERSITY REGULATIONS

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 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

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

In order to apply for deferred standing, 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 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.

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:

<http://www.yorku.ca/secretariat/policies/document.php?document=69>

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:

<http://www.yorku.ca/univsec/policies/document.php?document=86>

In-Class 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 <http://www.yorku.ca/dshub/>

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: September 8, 2019