YORK UNIVERSITY

School of Administrative Studies

AP/ADMS 3330 3.0 Quantitative Methods II

Winter 2020 – Section S – BLENDED

Day: Thursday Time: 4:00pm-7:00pm Location: RS 205 (When it is an in-Class Session)

Instructor: Michael Rochon **Email**: mrochon@yorku.ca

Office hours: ** Thursday 7:30pm-9:00pm - By Appointment (Atkinson 258E)

** *send email at-least 48 hours prior to the office hours to book an appointment.*

Course web site on Moodle: https://moodle.yorku.ca

Course Description:

This course continues with a case-oriented approach to quantitative business analysis and research methodologies. Statistical techniques, operations research techniques such as linear programming and modeling, metric and non-metric data analysis are amongst the techniques used.

Prerequisite: AP/ADMS 2320 3.00. Course credit exclusion: AP/ADMS 3330 3.00. PRIOR TO FALL 2009: Prerequisite: AK/ADMS 2320 3.00 or AK/ADMS 3320 3.00 (prior to Summer 2005). Course credit exclusion: AK/ADMS 3330 3.00

Required Textbook:

1. Keller, G., STATISTICS FOR MANAGEMENT AND ECONOMICS, 11th Ed., South-Western Cengage Learning ©. Note that, earlier editions are NOT supported. (This is your QM I textbook you used for 2320.)
2. Quantitative Methods for Business: ADMS 3330. Second Custom Edition, York University Bookstore. This is an abridged version of the original text of Anderson et. al., QUANTITATIVE METHODS FOR BUSINESS, **12th Ed**, South Western Publishing Co. 2013. (Note that Edition 1 of the Custom package that is based on the 10th ed. of the above textbook is NOT supported.)

Marking Scheme:

Test - I	25%
Test - II	25%
Attendance	5 %
Final Exam	45%
Total	100 %

Attendance

1. From eleven lecture sessions, the 5 in class session will have attendance. All 5 Attendance will be counted towards the 5% attendance grade.
2. There is no alternative for the attendance.
3. Attendances can be taken any time during the selected lecture session. Attendance can be taken twice in one lecture as well. *During Attendance you are not allowed to leave the room even if you signed the sheet, unless the class is completed.*
4. You might need to show your photo ID, if asked.
5. Once attendance is completed during the selected lecture session, no name will be added further.

Term Tests/ Final Exam

1. Students are NOT allowed to bring a reference/formula sheet. **Formula sheets will be provided by the instructors.**
2. Students **MUST** write tests and the final exam in the section they are registered in.
3. Students **MUST** mark their student numbers on the scantron sheet properly.
4. There are two common term tests counting for 25% each towards the overall grade.
5. Both term tests and the final examination may consist of multiple choice questions and worded questions.
6. If you miss a term test, the weight of one and only one missed test (25%) will be automatically (no documents such as doctor notes needed) transferred to the final examination. If you miss both term tests, your final examination will only weigh 70%. No alternative Term Test will be provided if you miss one or both Term Tests for any reason.
7. The final examination will be comprehensive if you miss any one or both term tests. That is, if you miss one term test, or both you will be writing a final exam that includes material from the entire semester.
8. Do not write a test/exam if you do not feel well. Once you write a test/exam, the mark you receive will be used.

General Policy

1. **WARNING**: Distribution or uploading of course content is STRICTLY PROHIBITIVE. All material is copy write protected and contain tracing codes with your student number attached. Please see Course Orientation and Policy Guide for more details.
2. You are **NOT** allowed to take pictures or record (audio or video) any content of the lecture.
3. Concerns regarding marks **will not be accepted after a week** from the releasing of the marks/result not from collecting the work.
4. You are only allowed to attend lectures in which you are enrolled.
5. In case of a fire alarm, students are to get up instantly, collect their personal belongings and leave the building. (They should not wait until a Professor or an invigilator tells them to do so.)
6. Students will not be allowed to write the term tests, or the final exam, unless they are on the class list / sign in sheet. There will be no exceptions. It is the student's responsibility to ensure that they are properly enrolled.
7. If you must miss a class, it is suggested that you try to obtain any missed notes from a classmate. NOT all class material will be available online. Please note that you are responsible for everything discussed in class (whether mentioned/included in the textbook or not).
8. Due to unavoidable circumstances if any lecture missed, date for make-up lecture will be announced on course web site.
9. In this course marked term tests are returned to the students, it is your duty to collect. After final exam is over, work will not be available. I usually bring marked material for only two weeks, if you didn't collect and want to collect you need to send me email with your details and I will bring in next meeting.

Course Outline:

The following tentative course outline (all inclusive) is subject to "in class" changes as considered necessary by the Course Director. **THIS IS A BLENDED course. Some classes are held ONLINE, and some are held IN CLASS. Please see below**.

Lecture	Date	Topic	Readings
1	Jan 09	Simple Linear Regression - **ONLINE**	Keller, Ch. 16
2	Jan 16	Multiple Regression – **IN CLASS** *(Omit 17.4 - Regression Diagnostics III)*	Keller, Ch. 17
3	Jan 23	Model Building - **ONLINE** *(Omit 18.4 - Stepwise Regression)*	Keller, Ch. 18
4	Jan 30	Forecasting - **ONLINE**	ASW, Ch. 6
	Feb 02 **SUNDAY**	**Term Test I** (Time and Location: TBA)	Covers **Lectures** 1, 2 & 3
5	Feb 06	Decision Analysis – **IN CLASS**	ASW, Ch. 4
6	Feb 13	Project Scheduling: PERT/CPM - **ONLINE** *(Omit 13.3 – Considering time-cost trade-offs)*	ASW, Ch. 13
	Feb 20	READING WEEK	
7	Feb 27	Linear Programming (LP) - Graphical Method – **IN CLASS**	ASW, Ch. 7
	Mar 01 **SUNDAY**	**Term Test II** (Time and Location: TBA)	Covers **Lectures** 4, 5 & 6
8	Mar 05	LP Computer Solutions, Sensitivity Analysis – **IN CLASS**	ASW, Ch. 8 ASW, Ch. 9
9	Mar 12	Network Models – **IN CLASS** *(Omit 10.4 – Max Flow Problem)*	ASW, Ch. 10
10	Mar 19	Integer Linear Programming - **ONLINE**	ASW, Ch. 11
11	Mar 26	Simulation - **ONLINE**	ASW, Ch. 16
	Common Final Examination **(Date, time & location to be announced on registrar/university website) (Dec 5-20)**		Covers **Lectures**7,8,9,10& 11

NOTE:
Tutorials: Information will be posted on the course website.

RELEVANT UNIVERSITY/LA&PS/SCHOOL REGULATIONS

Applicable to all ADMS and DEMS courses

Deferred Final 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://sas-app.laps.yorku.ca

Followed by handing in a completed original Deferred Standing Agreement (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. **Deferred exams might take place during the regular exams period or in subsequent weeks depending on the course**; precise dates are known when the Office of the Registrar publishes the final exam schedule of the term. 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. **NOTE: To clarify the deferred standing final exam coverage, the deferred examination will be cumulative and cover all material for the semester. This applies to all students writing a deferred Final Exam including those who wrote both Test 1 and Test 2.**

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 Student Accessibility Services (formerly known as Counselling and Disability Services) website at https://accessibility.students.yorku.ca

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.