

YORKUNIVERSITY
School of Administrative Studies
Fall 2019, AP/ADMS 3300 3.0, Decision Analysis
Section “A” Monday 2:30 - 5:30pm in ACE-007

Course Director: Shamim Abdullah

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Office Hours*: Monday, Appointment time slot: 5:30pm- 6:00pm (office hours last 1.5 hours),

Course Description:

This course provides an introduction to decision analysis under conditions of certainty, uncertainty, risk and competition. Both single person and group decision making are covered. Problems from many areas of managerial decision making are considered.

Prerequisite: AK/ADMS 2320 3.00 or AK/ADMS 3320 3.00 (prior to Summer 2005).

Course Website: <https://moodle.yorku.ca/>

Required Textbook:

Clemen, R. and T. Reilly, Making Hard Decisions with DecisionTools, Duxbury, 3rd Edition 2014.

Marking Scheme:

Two Term Tests	50 % (25% each)
Attendance	5%
Final Exam	<u>45 %</u>
Total	100 %

NO Use of Electronic Gadgets during lectures

- You are not allowed to use any electronics gadget during lectures, like Laptop, Netbook, Ipad, Tablets, smart Phones, etc.
- If there is something urgent you can leave class room quietly, use and come back without disturbing your class mates.
- No excuse, like I have slides on my gadget, I have ebook, I take notes directly on the gadgets, etc.

*** Send email at least 24 hours before the office hours to make an appointment.**

Term Tests/ Final Exam

1. Students are NOT allowed to bring a reference/formula sheet. Formula sheets will be provided by the instructor..
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 by PENCIL.
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** transferred to the final examination(**no documents such as doctor notes needed**). If you miss both term tests, your final examination will **only** weigh 70%.
7. The final examination will be **cumulative** if you miss **any one/both** of the two term tests regardless of your excuse. That is, if you miss one/both term test/s, you will be writing a final exam that includes material from the entire semester equally represented in the CUMULATIVE FINAL.
8. Exams are **closed** book and notes.
9. **Duration and format of testing components:**
Test-1: 1.5 hours, **Format:** 2-3 Long Problems, and 15-25 Multiple Choice type Questions (MCQs).
Test 2: 1.5 hours, **Format:** 2-3 Long Problems, and 15-25 Multiple Choice type Questions (MCQs).
Final (45% worth): 2.5 hours, **Format:** 2-3 Long Problems, and 25-40 (MCQs).
Final (70% worth) : 3 hours, **Format:** 3-4 Long Problems, and 25-40 (MCQs).

Attendance:

1. From all lecture sessions, six sessions will be randomly picked for attendance.
2. Among those six Attendance five will be counted towards 5% worth (1% each). For example if you signed for attendance in four randomly picked sessions and missed two, you will achieve 4% out 5% for the attendance.
3. There is no alternative for the attendance.
4. Attendances can be taken any time during the selected lecture session. During Attendance you are not allowed to leave the room even you signed the sheet, unless it is completed.
5. You might need to show your photo ID, if asked.
6. Once attendance is completed during the selected lecture session, No name will be added further.
7. There might be more than one attendance taken in one lecture. Your signature needs to be on both sheets for you to be counted as attended that class in full.

General Policy

1. Concerns regarding marks **will not be accepted after a week** from the posting of the result not from collecting the work.
2. You are only allowed to attend lectures in which you are enrolled.
3. 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.)
4. 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.
5. 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).
6. **You are not allowed to take pictures or record any content of the lecture.**
7. Due to unavoidable circumstances if any lecture missed, date for make-up lecture will be announced on course web site.
8. Do not write the test or final exam if you do not feel well. Once you write an exam, the mark you receive will be applied.
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 to collect.
10. **MISSED FINAL –Please see the University Regulations regarding Deferred Standing Agreements Notice:**

NOTE: The deferred examination will be cumulative and cover all material for the semester. This applies to all students writing deferred Final Exam including those who wrote both Tests-1 and 2.

Fall 2019 Tutorial Schedule for 3300

Dates/Times/Location: We will have 6 tutorial sessions, you are expected to attend them. Important problems will be taken up by your TA.

Tutorial leader:?

Avenue:???

Tutorial Schedule: Please see the Schedule posted in the course web site on Moodle!

Course Outline:

The following tentative course outline (all inclusive) is subject to "in class" changes as considered necessary by the Course Director.

Week	Date	Topic	Readings
1	Sep 09	Introduction; Elements of Decision Problems	Chapters. 1, 2
		Structuring Decision Problems	
2	Sep 16	Decision Trees and Influence Diagrams	Chapter. 3
3	Sep 23	Decision Trees and Influence Diagrams (Cont'd)	Chapter. 4
4	Sep 30	Model Building and Sensitivity Analysis	Chapter. 5
		Uncertainty and Preference Modeling	
5	Oct 07	Subjective Probability	Chapter. 8
	Oct 14	No-Class Reading Week	
	Oct 19 SATURDAY	Common Term Test 1, 10:00am – 11:30am, Location : ACW 109	Coverage : Chapter 1,2,3, and 4
6	Oct 21	Probability Basics and Bayesian Statistics Value of Information	Chapters. 7,12
7	Oct 28	Value of Information (Cont'd)	Chapter. 12 (Cont.)
		Utility Theory	
8	Nov 04	Risk Attitudes , Utility Axioms and Paradoxes	Chapters. 14, 15
9	Nov 10 SUNDAY	Common Term Test2, 2:00pm – 3:30pm, Location : ACW 109	Coverage : Chapter 5,7,8, and 12
10	Nov 11	Dealing with Conflicting Objectives-1	Chapter. 16
11	Nov 18	Dealing with Conflicting Objectives- 1 and 2	Chapters. 16, 17
12	Nov 25	Dealing with Conflicting Objectives and Review	Chapter. 17
13	Dec 05-20	Final Examination	Chapter 14,15,16 and 17

Note: Test -1 and 2 are on Saturday/Sunday count them as session/week 9.

Note: There will be no lecture, and no Test on days when University announced "no classes". If there is any contradiction in above schedule, please bring in my notice, it will be corrected.

RELEVANT UNIVERSITY/LA&PS/SCHOOL REGULATIONS

Applicable to all ADMS and DEMS courses

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 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-accommodations/>

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.