Course Director: Dr. Mustafa Karakul
Office: Atkinson Bldg. 2nd Fl. 260A
E-mail: mkarakul@yorku.ca
Office Hours: Wednesdays 2:30-3:30pm on lecture days, and by appointment

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: Moodle@York University

Required Textbook:


Marking Scheme:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Term Tests</td>
<td>60% (30% each)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

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 30% 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 (30 marks) 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%.
7. The final examination will be comprehensive if you miss any one of the two term tests. That is, if you miss one term test, you will be writing a final exam that includes material from the entire semester equally represented in the CUMULATIVE FINAL.
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 midterm or final exam if you do not feel well. Once you write an exam, the mark you receive will be used.
9. MISSED FINAL - Deferred Standing Agreements Notice:
   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. In order to apply for deferred standing, students must complete a Deferred Standing Agreement (DSA) form and submit their request no later than five (5) business days from the date of the exam. The request must be properly submitted with supporting documentation directly to the main office of the School of Administrative Studies (282 Atkinson), NOT to the Course Director. These requests will be considered on their merit. Students can check the status of their requests by logging in the link for Status of Deferred Exams Request: http://www.yorku.ca/laps/sas/links.html
   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.
   DSA Form: http://www.registrar.yorku.ca/pdf/deferred_standing_agreement.pdf
   Attending Physician's Statement form:
   http://www.yorku.ca/laps/council/students/documents/APS.pdf
   The deferred exam period for the Winter 2015 term shall be held in the period of May 22, 23, 24, 2015.

Winter 2015 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: TBA

Avenue: TBA

Tentative Tutorial Schedule: 10am to 1pm on the following Saturdays: T1: Jan 24, T2: Jan 31, T3: Feb 28, T4: Mar 7, T5: Mar 21, T6: Mar 28
Course Outline:

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

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Readings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan 7</td>
<td>Introduction; Elements of Decision Problems</td>
<td>Ch. 1, 2</td>
</tr>
<tr>
<td>2</td>
<td>Jan 14</td>
<td><strong>Structuring Decision Problems</strong></td>
<td></td>
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<td></td>
<td>Jan 19</td>
<td>Last date to enroll the course</td>
<td></td>
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<tr>
<td>3</td>
<td>Jan 21</td>
<td>Decision Trees and Influence Diagrams (Cont'd)</td>
<td>Ch. 4</td>
</tr>
<tr>
<td>4</td>
<td>Jan 28</td>
<td>Model Building and Sensitivity Analysis</td>
<td>Ch. 5</td>
</tr>
<tr>
<td>5</td>
<td>Feb 1</td>
<td><strong>Common Term Test 1, 11:30am-1pm</strong></td>
<td>Covers Chs 1, 2, 3, 4</td>
</tr>
<tr>
<td>6</td>
<td>Feb 4</td>
<td>Subjective Probability</td>
<td>Ch. 8</td>
</tr>
<tr>
<td>7</td>
<td>Feb 11</td>
<td>Probability Basics and Bayesian Statistics</td>
<td>Ch. 7</td>
</tr>
<tr>
<td>8</td>
<td>Feb 18</td>
<td>No-Class: Reading Week (Feb 14-20)</td>
<td></td>
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<tr>
<td>9</td>
<td>Mar 4</td>
<td>Risk Attitudes, Utility Axioms and Paradoxes</td>
<td>Ch 14, 15</td>
</tr>
<tr>
<td>10</td>
<td>Mar 8</td>
<td><strong>Common Term Test 2, 2:00-3:30pm</strong></td>
<td>All above: Focus Chs 5, 7, 8, 12</td>
</tr>
<tr>
<td>11</td>
<td>Mar 11</td>
<td>Dealing with Conflicting Objectives-1</td>
<td>(Clemen) Ch. 16</td>
</tr>
<tr>
<td>12</td>
<td>Mar 18</td>
<td>Dealing with Conflicting Objectives-1 and 2</td>
<td>(Clemen) Ch. 16, 17</td>
</tr>
<tr>
<td>13</td>
<td>Mar 25</td>
<td>Dealing with Conflicting Objectives-2</td>
<td>(Clemen) Ch. 17</td>
</tr>
<tr>
<td>14</td>
<td>April 1</td>
<td>No Class</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>?</td>
<td>Regular Final Examination</td>
<td>All Above Chapters:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Focus Chs 14, 15, 16, 17</td>
</tr>
</tbody>
</table>
RELEVANT UNIVERSITY REGULATIONS

Academic Honesty: The School of Administrative Studies considers breaches of the Senate Policy on Academic Honesty to be serious matters. The 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:


Students might also wish to review the interactive on-line Tutorial for students on academic integrity, at:

http://www.yorku.ca/tutorial/academic_integrity/

Students must be aware of their rights and responsibilities, for more detail please visit:

http://www.yorku.ca/laps/students/rights.html

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:


In-Class Tests and Exams - the 20% Rule: For all Undergraduate courses, except those which regularly meet on Friday evening, on a weekend or are on-line, 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:


For further information on examination scheduling please refer to the following:

http://www.registrar.yorku.ca/enrol/dates/index.htm

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://www.registrar.yorku.ca/grades/reappraisal/index.htm

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://www.registrar.yorku.ca/exams/deferred/index.htm

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: 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 Disabilities 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 accommodation.