MATH 1401 A – Elementary Mathematics for Economics I – WINTER 2018

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Objectives of the course:
- Learn and understand mathematical concepts (functions, calculus, and algebra).
- Learn, understand and properly use techniques related to these mathematical concepts.
- Become familiar with applications in the field of economics that make use of these concepts.

Prerequisites: Ontario Grade 12 U Advanced Functions, or MATH 0005, or equivalent; and ECON 1000 or FYSM 1003, which may be taken concurrently with MATH 1401/ECON 1401.

Office Hours and appointments: Send me an e-mail to make an appointment. Note that as of Jan 6th 2018, I do not know my complete schedule. When I know it I will post what times are the best to meet.


Material covered: The lectures will cover selected topics from Chapters 1 – 13 of the textbook, plus additional material. Not all sections of every chapter will be covered. Also note that chapters 1 and 2 are left up to the students to cover by themselves.

Attendance: Attendance will be taken during lectures, tutorials and tests. Your attendance at lectures will count for up to 5% of your overall mark. During a tutorial or test, you may not leave the classroom until this activity is completed by your TA.

Lectures: Wednesday and Friday from 8:30 – 10:00pm in LA C164.

Tutorials and tests: There are 7 tutorials and 4 term tests for a total of 11 sessions, held on Friday from 1:30 to 2:30pm. On any given week you either have a test or a tutorial. The first tutorial is on January 19th. Consult the Term Schedule posted on the home page of this CULearn course for dates. You will be assigned one of four possible tutorial/test sections, according to your family name. The following table summarizes the assignments:

<table>
<thead>
<tr>
<th>Tutorial/Test section</th>
<th>First 2 letters of family name</th>
<th>Room number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Aa – Da</td>
<td>SA 317</td>
</tr>
<tr>
<td>A2</td>
<td>Db – Kz</td>
<td>SA 406</td>
</tr>
<tr>
<td>A3</td>
<td>La – Sa</td>
<td>SA 516</td>
</tr>
<tr>
<td>A4</td>
<td>Sb – Zz</td>
<td>SA 402</td>
</tr>
</tbody>
</table>

I will notify the class of any room number change.

No make-up, early, or delayed tutorials and tests will be held.

All the tutorial and test dates are detailed in a document entitled “Term Schedule”, on the home page of the course CULearn website.
**Tutorials:** Your TA will go over examples from the material covered in class. There will be a short quiz at the end of the session (1 or 2 questions). Your work must be handed in at the end of the tutorial hour for grading.

**Tests:** There will be four 50-minute (closed-book) tests administered during the tutorial hour (in the same room as the tutorials).

The dates for the four (4) term tests are as follows:

February 2\(^{nd}\), February 16\(^{th}\), March 9\(^{th}\) and March 23\(^{rd}\).

**NB** – If you require a revision of your test, please do so with me within one week of receiving the test. Under normal circumstances, you can expect the TA’s to return your tests one week after the test was written, in the tutorial hour.

**Missed tests or tutorials:** Missed tests or tutorials carry a mark of zero (0). However students who can document a compelling reason for missing a test or tutorial will be excused and their test/tutorial grade will be based on their performance in the rest of the test/tutorial work. Valid reasons include, for example, a medical reason, with a doctor’s note, or bereavement, with some form of documentation.

**IMPORTANT:** This documentation must be presented to me within a reasonable delay. You must either present me the document during the lecture following the tutorial/test date, or have sent me an e-mail making me aware of your absence. Please send the e-mail as soon as possible. In this e-mail, I expect to be informed on when you plan on returning to class, and I expect to see the documented note upon your return. I will not accept a documented note that is presented to me too late, or without having been notified by e-mail.

Note that it is advisable to warn me in advance if an absence during the semester is foreseen.

**Term mark:** Grades for tutorials and tests will be posted in CULearn. You have the responsibility to bring to the attention of your instructor any missing or incorrectly recorded grade within two weeks of the day the grade is available to you (i.e. posted in CULearn). An original test or tutorial paper must be presented to make any corrections.

Your term mark (i.e. your mark out of 55 prior to writing the final exam) is based on the average mark for the 7 tutorials counting for a maximum of 10, and the average of the best three test results counting for a maximum of 40 and your attendance record counting for a maximum of 5.

**IMPORTANT:** This marking scheme for tests assumes that all four tests have been written and that a minimum of 30% was obtained on all of them. If this minimum requirement is not met then the average of all four tests is used.

**Overall Marking Scheme:**

- Attendance 5%
- Tutorials 10%
- Tests 40%
- Final Exam 45%

**Final Exam:** The final exam is a cumulative three-hour closed book exam scheduled by the university. Please consult the undergraduate calendar for the dates/location of the exam period for this winter 2018 semester. See Academic Regulation 2.3 for the official meanings of these grades,
and note that it stipulates that no course grades are final until approved by the Faculty Dean. Application to write a deferred final examination must be made at the Registrar’s Office. 

**Note:** Students wishing to see their examination papers must make an appointment within three weeks of the examination to do this. Please note that this privilege constitutes an opportunity to review any mistakes made, and not to negotiate a better grade.

**Calculators:** Only non-programmable, non-graphing calculators are allowed for all evaluations (tutorials, tests, final exam). I reserve the right to confiscate any calculator during a test or exam. Other electronic devices (phones, computers, etc.) are not acceptable to use as calculators.

**Withdrawal:** Please consult the Undergraduate Calendar to know the last day for withdrawal from winter courses.

**Academic accommodations:** Students with disabilities requiring academic accommodations in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities include but are not limited to mobility/physical impairments, specific Learning Disabilities (LD), psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC every term to have a Letter of Accommodation sent to the Instructor by their Coordinator. In addition, students are expected to confirm their need for accommodation with the Instructor no later than two weeks before the first assignment is due or the first in-class test/midterm. If you require accommodations only for formally scheduled exam(s) in this course, you must request accommodations by the last official day to withdraw from classes in each term. **Please consult the Undergraduate Calendar to know the deadline for submitting completed forms to the Paul Menton Centre for the final examination.**

You may need special arrangements to meet your academic obligations during the term because of disability, pregnancy or religious obligations. Please review the course outline promptly and write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

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**IMPORTANT NOTES CONCERNING MARKING:**

1. To be permitted to write the final exam, you must have accumulated at least 16.5 marks out of 55 (i.e. 30%) from your term tests, tutorials and attendance record. Students who fail to achieve this minimum requirement will automatically receive a letter grade of F in the course.
2. Students who fail to achieve an equivalent mark of at least 30% on the final exam will automatically receive a letter grade of F in the course regardless of their term mark.