

University of Toronto Scarborough
Department of Computer & Mathematical Sciences

MAT A32H

Winter 2018

Course Information

Webpage: <http://www.math.utsc.utoronto.ca/a32/>

All course documents will be posted on these pages. We do not use Blackboard (Portal) or social media.

Instructor: **E. Moore**

email: emoore@utsc.utoronto.ca *office:* IC 440 *phone:* 416.287.7267

Prerequisite: Ontario grade 12 Calculus and Vectors or equivalent.

Grading Scheme:

Weekly tutorial quizzes	25%
Term test	30% (date & time TBA)
Final examination	45% (date & time TBA)

Term Test Date: When the term test date becomes available, it will be posted on the webpage, announced in lecture and stated on one (or more) assignments.

(There is a possibility that the term test could be scheduled for a Friday evening or Saturday. If this occurs, any student who is unable to attend due to reasons of creed, should bring this information to the instructor's attention at the earliest possible opportunity. Alternative arrangements will be made.)

Textbook: Introductory Mathematical Analysis for Business, Economics and the Life and Social Sciences, 13th ed. by E. Haeussler, R. Paul and R. Wood. (This is the same book as was used in MATA32 and MATA33 over the past couple years and is available in the UTSC bookstore.)

Assignments: Each week an assignment will be posted to the MATA32 webpage. They will provide problems, reading sections from the text, quiz dates and any other information related the current lecture material. The assignments will not be collected, but you will write a quiz based on the assignment. Before the quiz is written, a solution set will be posted to the webpage.

Tutorials and Quizzes: Each week you will have an one-hour tutorial. The tutorial will start with a brief quiz (15 – 20 minutes) based on the previous week’s assignment. Your teaching assistant (TA) will grade the quiz and record the marks. After you complete your quiz, the TA will return the previous, graded quiz. Your TA will retain your quiz should you miss the tutorial in which it is returned. In the last part of the tutorial, your TA will do relevant examples and you will have an opportunity to discuss the current assignment and ask questions about the current material.

There will be no tutorials in the first week of classes (January 5 – 11). They begin in the second week (January 12 – 18). The first quiz will be in the third week of classes. You must write your quiz in the tutorial in which you are registered. There are no makeup quizzes and they can NOT be written in any other tutorial. If you miss a quiz for legitimate reasons, you must, in your next tutorial, provide appropriate documentation to your tutorial leader who will record you as excused.

It is your responsibility to know your TA’s full name, the number of your tutorial and the time and date of your tutorial. You should also keep a record of your quiz scores and your term test mark.

Policy on Missing the Term Test: If you miss the midterm test for legitimate reasons, you must provide this information to your instructor, E. Moore, <emoore@utsc.utoronto.ca> within 24 hours. You must then provide him with the appropriate documentation and your course timetable within 5 days. You will be given one, and only one, opportunity to write the make-up test.

Please note that Professor Moore will only read and respond to emails sent from a “.utsc” or “.utoronto” email address.

Calculators: You can use ONE standard hand-held calculator during the first couple quizzes and on the term test. The assignment will clearly inform you if a calculator is permitted on the quiz. If your calculator can transmit or receive data, it is can not be used on any quiz or test.

Except when explicitly permitted, calculators are not allowed on quizzes and on the final examination.

All other electronic devices (including smart phones, smart watches, tablets, computers, etc.) are prohibited during quizzes, term test and final examination.

Course Content: The times given are just an approximation of the time which will be spent on each topic.

1. Mathematics of finance (2 weeks)
(covers sections 5.1 – 5.5.)
2. Limits and continuity (1 week)
(covers sections 10.1 – 10.3.)
3. Differentiation (2 weeks)
(covers sections 11.1 – 11.5 and 12.1 – 12.7.)
4. Applications of derivatives and curve sketching (2 weeks)
(covers sections 13.1 – 13.6.)
5. Integration: the indefinite integral and techniques (2 weeks)
(covers sections 14.2 – 14.5 and 15.1.)
6. The definite integral and the fundamental theorem (1 week)
(covers sections 14.6, 14.7 and 14.9.)
7. Applications of integration (2 weeks)
(covers sections 14.9 and 14.10.)

Office Hours: The MATA32 instructor and teaching assistants will have office hours in IC 404 or in their own offices. The complete schedule will be posted to the course webpage.

Please take advantage of this opportunity for additional help.

Accessibility Statement: Students with diverse learning styles and needs are most welcome in MATA32, In particular, if you have a disability/health consideration that may require accommodation, please do contact the AccessAbility office as soon as possible. All enquires are confidential. The UTSC AccessAbility office is located in office SW 302 and can be reached by phone: 416.287.7560 or email: ability@utsc.utoronto.ca. The AccessAbility staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations.