

## MATB41 - Techniques of the Calculus of Several Variables I – Fall 2023

**Instructor/Coordinator:** Name: Dr. Kathleen Smith  
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**Instructor:** Name: Dr. Michael Cavers  
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Use your University of Toronto email address for any email correspondence about the course.

**Lecture Times:** LEC01 --- Mondays 12-2pm & Fridays 1-2pm  
LEC02 --- Mondays 8-10am & Fridays 9-10am

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|------------------------|----------------------|----------------|
| <b>Grading scheme:</b> | Assignments          | 24%            |
|                        | Midterm              | 30% (date TBA) |
|                        | Final exam           | 40% (date TBA) |
|                        | Best of midterm/exam | 6%             |

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**Textbook & Resources:**

Multivariable Calculus – 9<sup>th</sup> Edition; Stewart, *Clegg & Watson* (required)  
WebAssign (single term) for Stewart/Clegg.Watson's Multivariable Calculus (optional)

**Prerequisites:** MATA36 or MATA37 and MATA23 or MATA22. If you do not have BOTH of these prerequisites or equivalent prerequisites, then you cannot take MATB41. It is your responsibility to ensure that you have the correct prerequisites or equivalents. Prerequisite checks will be performed and when appropriate, people will be removed from the course.

**Office Hours:** The instructors and TAs will hold weekly office hours starting week of Sept 11<sup>th</sup>. Day/times TBA on Quercus in Pages – “Office Hours”.

**Tutorials:** You must be registered in a tutorial. Tutorials begin week of Sept. 11<sup>th</sup>.

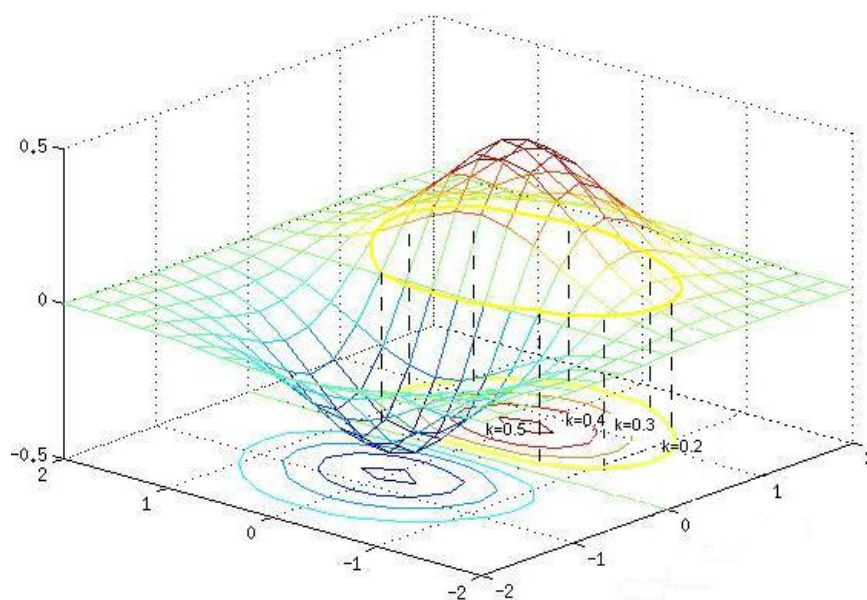
**Assignments:** The course will have six *mandatory* assignments, each graded and equally weighted. There will also be an ungraded “prerequisite review” assignment and an ungraded seventh assignment corresponding to material taught in the last week of lecture. These will be posted to Quercus on:

- prerequisite review – Sept. 9<sup>th</sup>
- Assignment 1 – Sept. 16<sup>th</sup>
- Assignment 2 – Sept. 30<sup>th</sup>
- Assignment 3 – Oct. 7<sup>th</sup>
- Assignment 4 – Oct. 28<sup>th</sup>
- Assignment 5 – Nov. 11<sup>th</sup>
- Assignment 6 – Nov. 25<sup>th</sup>
- Assignment 7 – Dec. 6<sup>th</sup>

It is your responsibility to access and complete the assignments. They will contain dates and information regarding that assignment (due dates, etc.), information about which readings and lecture material are covered on that assignment, together with any additional relevant instructions. Assignments will be submitted electronically via crowdmark by the indicated due date and time; late assignments will NOT be accepted. If you are ill then contact the course coordinator before the due date of an assignment to qualify and arrange for alternate submission options provided appropriate documentation is given to the instructor (e.g. print out of your self-declaration on Acorn).

The assignments are designed to help you understand the material, prepare you for the midterm/exam and to keep you from falling behind in the course. Generally, the assignments become more challenging as the course progresses due to the cumulative nature of the subject.

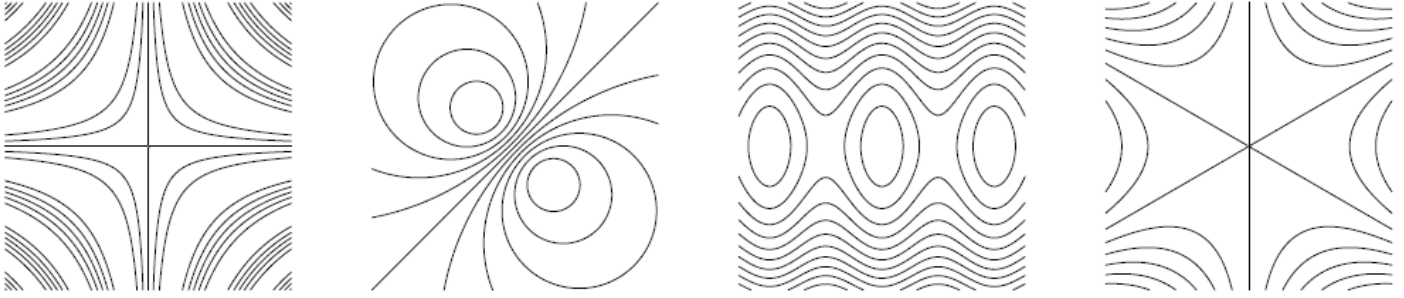
**Assignment Grading:** For each homework assignment, we will grade only a selected (but not preannounced) proper subset of the questions.



## Policies:

- **MISSING MIDTERM:** If a student is prohibited from writing the midterm for reasons such as illness, legal complications etc. a make up test OR an alternate grade distribution will be provided. In order to qualify to write these options, (a) the course coordinator (Kathleen) must be notified by email regarding the absence from the test no later than 48 hours from the ending of the test and (b) written documentation such as a ACORN Absence Declaration and/or UTSC medical certificate filled out by a physician must be presented to the course coordinator regarding the reason of the absence within 3 business days of the test date.
- **CALCULATOR POLICY:** Calculators will not be allowed on the midterm, during the final exam nor during tutorial sessions.
- You may discuss homework assignments with your peers, your instructor, and the TAs but you must write up solutions by yourself and in your own words. For help you may also consider your textbook and your class notes. You may not copy and submit any solution that is not your original work. Failure to abide by this policy constitutes plagiarism/cheating – an academic offense (see Academic Integrity below).
- It is your responsibility to check that your assignment grades on Quercus are correct. The grades will be made visible roughly one week after that assignment's the due date.

If you believe there to be any sort of Quercus grade center discrepancy or a re-grade matter then you must bring this to your TA's attention **no later than 1.5 weeks after that evaluation grade has been returned** through Crowdmark.



### **Online Resources:**

All relevant course information: assignments, test dates, course documents, announcements, etc., will be posted on Quercus <https://q.utoronto.ca/>. It is strongly advised that you regularly visit this site. The course will not have a separate homepage.

### **Course Concerns:**

You should direct all your course questions or concerns about any non-mathematical or administrative issues (eg. Quercus site concerns, AccessAbility matters, TA and/or tutorial concerns, etc.) to the course coordinator. Please include MATB41 in the subject line.

### **Accommodation:**

Students with diverse learning styles and needs are welcome in this course. If you have a disability/health consideration that may require accommodation, please feel free to approach Accessibility Services as soon as possible. Accessibility staff are available by appointment to assess specific needs, provide referrals, and arrange appropriate accommodation. Please contact the front desk at Tel/TTY 416-287-7560 or at [ability.utsc@utoronto.ca](mailto:ability.utsc@utoronto.ca) to book an appointment with your Disability Consultant.

### **Academic Integrity:**

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, please reach out to me. Note that you are expected to seek out additional information on academic integrity from me or from other institutional resources (for example, the University of Toronto website on Academic Integrity <https://www.academicintegrity.utoronto.ca/>).