

MATH 121

Differential and Integral Calculus

David Zywina
Department of Mathematics & Statistics

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Official description

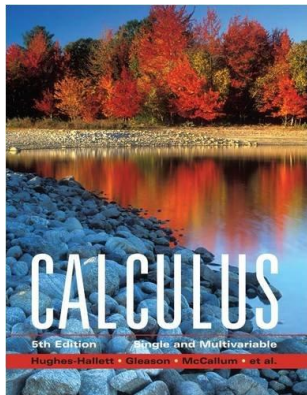
Differentiation and integration of the elementary functions, with applications to physical and social sciences; Taylor polynomials; multivariable differential calculus.

Intended for students planning to concentrate in subjects other than Biochemistry, Biology, Life Sciences, Mathematics or Statistics.

Calculus – Single and Multivariable

5th edition

Hughes-Hallett, Gleason, McCallum, et. al.



II. Course website

- Link:

<http://www.mast.queensu.ca/~math121/>

- **Lecture notes:**
 - Incomplete notes will be posted.
 - Print and bring to class.
 - Annotated versions from lecture will be posted at the end of each week.

III. Lecture and Tutorials

- **Lecture:** Bring incomplete notes to lecture.
- **Tutorials:**
 - NO TUTORIALS DURING THE FIRST WEEK
 - Tutorials are for asking questions about course material and assignments. Graduate students run the tutorials.
 - The tutorials are *optional*, EXCEPT during test weeks.

IV. Assignments

- Weekly assignments will be posted on the course webpage.
- Assignments are **not** to be handed in.
You are responsible for keeping up with assignments (they are preparation for tests).
- “Test Preparation Problems” represent test-type questions.
- Solutions will be posted for most assignment questions.

V. Tests & Exams

- **Tests**

- There will be 6 tests; 3 in the Fall semester and 3 in the Winter semester.
- They will be held in your assigned tutorial. All tests are mandatory (can only be missed through pre-arrangement, or due to illness/family emergency).
- Questions will be similar/related to “Test Preparation Problems” from the assignments.
- See test schedule on course webpage. The first test is during the first week of October.
- For tests and exams, you may use a Casio fx-991 calculator.
<http://www.queensu.ca/artsci/help/topics/calculator-policy>

- **Exams:**

Will be held during examination sessions in December and April. They are 3 hours each.

VI. Online Proficiency Test

- Proficiency test will consist of 6 questions (equations of lines, solving equations, ...).
- Taken via *Moodle* during first month of class.
- **Doing poorly indicates high risk of doing of poorly in MATH 121**

VII. Grading scheme

- Online proficiency test: 4% (for completion)
- Tests: 36% (6% each)
- December Exam: 30%
- April Exam: 30%

Academic integrity

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments conform to the principles of academic integrity. Information on academic integrity is available in the Arts and Science Calendar (see Academic Regulation 1), on the Arts and Science website (see http://www.queensu.ca/artsci/sites/default/files/Academic_Regulations.pdf), and from the instructor of this course.

Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.

- Tutorials.
- Math Help Center in Jeffery Hall, Room 201 (Details to come)
- Office hours (Starting 2nd week, location/times to be posted on course webpage)

- **Other students!** You are strongly encouraged to study and discuss the class with your fellow students.