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## Mathematics 126

### Fall-Winter 2008/09

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MATH 126 will build upon your experience in high school Calculus/MATH 006. We will emphasize applications of calculus, putting it to work by analyzing simple models in Economics, Biology, and Physics.

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### General Information

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**Required text:** *Calculus: The Analysis of Functions* by P.D. Taylor, *Math 126 Work Book*

**Class Times:** Tue. 12:30-13:20, Thu. 11:30-12:20, Fri. 13:30-14:20 (Slot 15)

**Location:** Jeffery 126 (Section A), Jeffery 127 (Section B)

**Tutor:** TBA

**Tutorial Times and Locations:** Section A: Tue. 14:30 - 15:20 (Jeffery 126)

Section B: Tue. 16:30 - 17:20 (Jeffery 128)

**Instructors for Fall Term:**

Section A: Wes Maciejewski, JEFF 106  
wes@mast.queensu.ca

Section B: Wenyu Jiang, JEFF 412  
wjiang@mast.queensu.ca

**Office hours:**

Section A:

Section B:

You can also visit the Math Help Center in JEFF 201 to get help in any first-year math course. The staffing hours are posted outside the door.

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### Evaluation

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Your grade will be determined by your performance in three basic areas:

**1. Mastery of Technical Skills (15%)** There are three Module tests, each worth 5% of your final grade. Each Module test consists of a set of problems whose solutions involve the use of certain technical skills. We will devote some class time to practicing these skills. Since much of the material is review from high school mathematics, lectures will not always include the detail required to excel on the Module test. It will be up to you to master the requisite skills on your own (of course help will be available). Each Module test will consist of 9 problems that you have not seen before. If you correctly solve at least 7 out of 9 problems, you will receive the full 5%. If you fail to solve at least 7 problems, you will get an opportunity to write a second Module test. The grade you receive on the second writing will be recorded "as is" (e.g. 7 out of 9 is recorded as 7 out of 9). We will count the higher grade (first or second writing) toward your final mark.

**2. Quizzes and Assignments (20%)** There are three quizzes and three assignments per term — six of each in total. Each term we drop your lowest assignment/quiz grade. This makes each quiz/assignment worth 2% of your final grade.

**3. Examinations (65%)** There will be two exams. The Mid-year Exam will be held during the December Exam Period and will be worth 20% of your final grade. The Final Exam will be held during the April Exam Period and will be worth 45% of your final grade. The Final Exam will cover material from both Fall and Winter Terms, with emphasis placed on material from the Winter Term. Exams will test all course material — lectures, assignments, quizzes, and modules. Exam schedules are posted at

<http://www.queensu.ca/registrar/exams>

along with other general exam information.

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## Policies

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In addition to University Academic Regulations, please note the following:

1. The prerequisite for this course is high school Calculus/MATH 006. If you lack the prerequisite, you should expect to do extra work in order to catch up to the rest of the class.
2. Assignments will be done in groups of *five students*, each member will receive the same grade without exception. It is your responsibility to understand all materials on a given assignment.
3. Assignments must be submitted in a legible form. Assignments that are illegible may be given a grade of zero. Please see the instructor if you foresee difficulty meeting this requirement.
4. You are expected to attend all lectures. If you miss a lecture, it is your responsibility to understand all material from that lecture, and to get any handouts/information given.
5. Extensions or make-up quizzes/examinations will be offered only in cases of illness (a medical certificate may be required), or on compassionate grounds. It is your responsibility to contact the instructor prior to an absence. Make-up quizzes may be offered to those participating directly in intercollegiate events.
6. Late assignments will *not* be accepted.
7. **Calculator policy:** The only calculators to be permitted during any quizzes, module tests, and exams are the Casio 991 series calculators which are available at the Campus Bookstore. If a student's calculator does not meet these requirements, it will be confiscated for the duration of the quiz/test/exam, and returned to the student when the quiz/test/exam is handed in.

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Tentative Fall Lecture Schedule

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<b>Week of:</b>	<b>Tue</b>	<b>Thu</b>	<b>Fri</b>
Sep 8	Intro	Review	1.1
Sep 15	1.2	Review; Assignment 1 posted	1.3
Sep 22	2.1, 2.2	Quiz 1	2.3, 2.4
Sep 29	2.6	Review; Assignment 1 due	2.7
Oct 6	1.4	Module I 1st writing	1.5
Oct 13	1.7	Review, Assignment 2 posted	1.8
Oct 20	1.9	Module I 2nd writing	1.10
Oct 27	1.11	Quiz 2; Assignment 2 due	1.12
Nov 3	4.1-4.2	Review; Assignment 3 posted	4.3
Nov 10	4.4	Module II 1st writing	4.6
Nov 17	4.7	Review; Assignment 3 due	4.8
Nov 24	4.9	Quiz 3	Review