Math 126: Differential and Integral Calculus

Fall 2016 and Winter 2017

Course coordinator: Vaidehee Thatte

Math 126 is a full year course in Calculus for students who have studied Calculus in high school. However, it is intended to be self-contained, so that it is possible to follow it without any background in calculus. Math 126 will cover differentiation and integration with the emphasis on applications in Business, Economics, and Social Sciences. Thus, the material is substantially greater in depth on some topics than is normally attempted in a calculus course.

Section 001
Instructor: Vaidehee Thatte

General Information

- **Required textbook**: Introductory Mathematical Analysis by E.F. Haeussler, Jr., R.S. Paul and R.J. Wood, 12th or 13th Edition. Readings and practice problems will be assigned from the textbook, it is advised that you have some form of access to the textbook throughout the term.
- **Course times**: (Slot 03) Monday 10:30-11:30, Wednesday 9:30-10:30, Friday 8:30-9:30
- **Location**: Stirling Auditorium
- **Tutorial Time and Location**: There are three sections available. Please see SOLUS for options.
- **Office Hours**: My office is Jeff 404. Weekly office hours for Fall 2016 are as given below. Monday 11:30-12:30, Wednesday 10:30-11:30 and by appointment. (Appointment requests should be made 3-5 business days in advance. Same/next day requests may not be accommodated, depending on schedule conflicts.)
- **Email**: vmt2 at queensu dot ca
- **Course Website**: [http://mast.queensu.ca/~vaidehee/teaching.html](http://mast.queensu.ca/~vaidehee/teaching.html)
- **Math Study Center**: Free tutoring for this course is available in Jeffery 201. The schedule is posted by the door. Do not wait until the last minute to seek help!
- **Special accommodation**: Students that require special accommodation due to disabilities or health considerations are encouraged to contact me as well as Queen's Student Accessibility Services (613-533-6467) as soon as possible, preferably during the first week of classes. Many administrative procedures take at least 10 business days.

Course Evaluation
Your grade will be determined by your performance in the following categories. Your final grade will be a letter grade based on the Queen's grading scale.

- Webwork (15%)
- Assignments (15%) : 3 assignments per term, each worth 2.5%.
- In Class Tests (40%) : 2 tests per term, each worth 10%.
- Mid-Year Exam (15%)
- Final Exam (15%)

**Important Dates for Fall 2016**

- October 3 : Assignment 1 due
- October 7 : Test 1
- October 10 : Thanksgiving Day
- October 31 : Assignment 2 due
- November 4 : Test 2
- November 28 : Assignment 3 due
- Mid-year exam will be held during the December exam period.

**Syllabus**

A detailed lecture/study plan is available on the course page and it will be updated regularly. You are expected to read the assigned sections and try to solve the suggested problems before each lecture. You should also make a list of the things you find difficult to understand and ask questions during class/office hours/tutorials. This will help you get the most out of this course.

The syllabus includes, but is not restricted to, the following chapters from the book. Additional study material will be made available as needed.

**Fall** : 2-5, 10-13
**Winter** : 14, 15, 17 (and, of course, we will use material from the Fall term!)
Policies: Read Carefully!

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

- You are expected to attend all lectures. If you miss a lecture, it is your responsibility to understand all materials from that lecture, and to get any handouts/information given.
- It is your responsibility to understand all materials on a given assignment. Problems can be discussed in groups, but you must write solutions independently. Plagiarism will not be tolerated. If a group assignment is assigned, each member will receive the same grade without exception. Late assignments will not be accepted.
- If you receive a grade on an assignment or exam that you feel is unjustified, office hours are the only time when I will receive requests to reexamine a grade.
- There is a strict policy with regard to the use of calculators and devices on tests. Graphing calculators and any device that can access the Internet, such as a smart phone or a tablet, are prohibited during all tests. Instructions specific to each test will be given to you a week prior to that test.
- All Exams are mandatory, and can only be missed through pre-arrangement, or due to serious illness/family emergency. Notification by email is required within 7 days of the missed test in such a case (copies of supporting documents are required). Missed tests without a reason/notification will be given a grade of zero.
- Academic integrity is constituted by the five core fundamental values of honesty, trust, fairness, respect and responsibility (see http://www.academicintegrity.org/fundamental-values-project/index.php). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the Senate Report on Principles and Priorities). 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/artscl/academics/academic-integrity). 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.