Math 126: Differential and Integral Calculus

Fall 2017 and Winter 2018

Course coordinator: Dr. 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.

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**: Monday 10:30-11:30 am, Wednesday 9:30-10:30 am, Friday 8:30-9:30 am.
- **Tutorial Time and Location**: Three sections available. Please see SOLUS for options.
- **Office Hours**: Weekly office hours for each section are given below. In some cases, it may be possible to schedule extra appointments. Such appointment requests should be made 3-5 business days in advance. Same/next day requests may not be accommodated, depending on schedule conflicts. You must send your full name, reason for the request and weekly schedule with the appointment request. Requests without this information will be ignored.

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<thead>
<tr>
<th>Details/Sections</th>
<th>Section 001</th>
<th>Section 002</th>
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<tbody>
<tr>
<td>Instructor</td>
<td>Vaidehee Thatte</td>
<td>Siddhi Pathak</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:vmt2@queensu.ca">vmt2@queensu.ca</a></td>
<td><a href="mailto:ssp@queensu.ca">ssp@queensu.ca</a></td>
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<tr>
<td>Office hour 1</td>
<td>Monday 9:30 am - 10:20 am</td>
<td>Monday 11:45 am – 12:35 pm</td>
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<td>Office hour 2</td>
<td>Friday 9:30 am - 10:20 am</td>
<td>Wednesday 10:45 am – 11:35 am</td>
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<td>Location</td>
<td>Jeff 319</td>
<td>Jeff 204</td>
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- **Course Website**: OnQ! You are responsible for reading the updates, announcements and supplementary course material on a regular basis.
- **Math Help 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 the instructor 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%) : Weekly online homework.
- In Class Tests (45%) : 3 tests per term, each worth 7.5%.
- Mid-Year Exam (20%)
- Final Exam (20%)

Important Dates for Fall 2017

- October 4 : Test 1
- October 9 : Thanksgiving Day (no classes!)
- November 1 : Test 2
- November 29 : Test 3
- Mid-year exam will be held during the December exam period.

Syllabus

A detailed lecture/study plan will be 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 may be made available as needed.

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

These policies apply in addition to University Academic Regulations:

• You are expected to attend all lectures and tutorials. If you miss a lecture/tutorial, it is your responsibility to understand all the material from that session, and to get any handouts/information given.

• It is your responsibility to understand all the material on a given assignment/homework. Problems can be discussed in groups, but you must write solutions independently. Plagiarism will not be tolerated. Late assignments/homework will not be accepted under any circumstances.

• If you receive a grade on an assignment/homework or exam that you feel is unjustified, office hours are the only time when we will receive requests to reexamine a grade.

• All calculators and electronic devices such as, but not restricted to, a smart phone or a tablet or a computer, are prohibited during all tests.

• All exams and tests are mandatory, make-ups will not be offered under any circumstances. In case of missed exams/tests due to an emergency, notification by email is required within 7 days of the missed exam/test. In such a case, copies of supporting documents are required and grade decisions will be made based on the validity of the reason. Travel plans are not acceptable as a reason. Missed tests without a 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/artsci/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.