Course Instructor: Sourav Bhattacharya
Office: CH 476B
Phone#: (205) 447-3520
E-mail: sourav@uab.edu
Office Hours: Monday, Wednesday / 2:30 PM–3:30 PM

Meeting times: Monday , Wednesday / 4:30 PM - 6:00 PM
Meeting location: HB 311
Prerequisite: Grade of C or better in MA 106, MA 107 or equivalent. Any student who has not fulfilled the prerequisite will be dropped from the class.
Credits: 4 semester hours

Important dates:
First day of classes: August 27, 2018
Labor Day Holiday: Monday, September 3, 2018
Last day to drop without paying full tuition: September 4, 2018
Last day to withdraw with a “W”: October 19, 2018
Fall/Thanksgiving Break: November 19–25, 2018
Last day of class: December 7, 2018

Major exams (tests):
Test I: near Monday, September 24; Sec. 1.1–1.6, 2.1–2.4;
Test II: near Wednesday, October 17; Sec. 2.5, 2.8, 3.1–3.5;
Test III: near Wednesday, November 7; Sec. 3.7, 4.1–4.5;
Test IV: near Thursday, November 29, Sec. 3.6, 5.1–5.3.
(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)

Final exam: Wednesday, December 12, 2018, 1:30–4 PM (Location to be announced.)
NOTE DATE AND TIME OF FINAL EXAM!!

Date: The 20th August 2018.
NOTE DATE AND TIME OF FINAL EXAM!!!

Course policies:

- Please make sure that you are able to receive e-mail through your Blazer-ID account. Official course announcements may be sent to that address.
- If you are contacted by the Early Alert Program, you should consider taking advantage of the services it offers. Various services to assist you are also listed in the Student Resources section of the Blazernet web site.
- If you wish to request a disability accommodation please contact DSS at 934-4205 or at dss@uab.edu.
- If a test is missed due to a serious verifiable circumstance or official university business, the test grade will be replaced with the properly rescaled final exam score. If you miss the final exam you will receive a zero score for this exam. In all cases you must contact your instructor of such circumstances before the exam takes place.
- Calculators (without internet access) will be allowed during any of the tests or quizzes. In addition, students can bring one quick reference card to tests including the final exam (i.e., a standard size 5" × 8"-index card; both sides can be used).

Methods of teaching and learning:

The only way to learn mathematics is to do mathematics. - Paul Halmos

- 10% of your total grade will be determined by attendance.
- Class meetings will be of 100 minutes. In the class, I will lecture the entire theory in exhaustive details and also solve numerous problems in the board. You have to meticulously observe how I use the theoretical concepts to solve various challenging yet beautiful calculus problems. You should ask me with any problems you face in understanding, directly during the class hours or during office hours. Then your work would be to use these techniques which you learned during the class to do the homework problems. The problems asked in the test are modelled on the homework problems and the problems I will do in the class.
- Students are expected to undertake at least 10 hours of private study and homework per week.
- The online homework system WebAssign will be used (look for more information below).

Assessment procedures:

- Student achievement will be assessed by the following measures:
  - HOMEWORKS:- (25% OF TOTAL COURSE AVERAGE). Homework is completely online and is assigned through Web assign. Feedback is provided when wrong answers are given. Students are encouraged to retake the homework problems (with randomly changed parameters) until they obtain correct answers. A limited number (at most 3) of takes is allowed during the week in which the set is available. Problems on tests are modeled after homework problems. Staying
on top of homework is therefore extremely important. This allows students to
gauge whether they are ready to work problems in a test situation.

- **FOUR IN-CLASS TESTS:- (EACH TEST WILL ACCOUNT FOR 10%
  OF TOTAL COURSE AVERAGE)** Each test will include short ques-
tions (Part I) as well as problems requiring in depth understanding (including
word-problems). Partial credit is awarded where appropriate. The four tests
thus in total will contribute for 40% to the total course average.

- **A 150-MINUTE COMPREHENSIVE FINAL EXAMINATION:- (25%
  OF TOTAL COURSE AVERAGE).** The test will include Part I and Part
II type problems. Past tests are available at www.math.uab.edu under Student
Resources/Calculus Testbank

- **ATTENDANCE:- (10 % OF TOTAL COURSE AVERAGE).** Roll will
be taken in the beginning of every class. If you are unable to attend class, you
must email me **BEFORE** that class take place and bring me a verifiable excuse
later.

- Your course performance is your course average (including the final exam score). This
  is a number between 0 and 100.
- Your final grade is determined according to the following table:

<table>
<thead>
<tr>
<th>Course performance:</th>
<th>88-100</th>
<th>75-87</th>
<th>62-74</th>
<th>50-61</th>
<th>below 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Grade:</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>F</td>
</tr>
</tbody>
</table>

- In addition your grade maybe raised by a strong performance on the final exam (nor-
ally at most one letter grade).

**Tips:**

- Past tests are available at [www.math.uab.edu](http://www.math.uab.edu) under Student Resources/Calculus
  Testbank.
- Help is available in the Math Learning Lab (HH 202); M–Th 9–8, F 9–5.
- By working steadily and regularly, you will increase your chances to succeed in this
course.
- Remember, being a full-time student is a full-time job.

**How to get started on Enhanced WebAssign:**

1. Go to [www.webassign.net](http://www.webassign.net) and click on **I HAVE A CLASS KEY** in the signin link.
2. Enter the following course key:
   
   uab 7638 9432

   and proceed. (If prompted for your institution, enter uab)
3. When prompted to purchase an access code, select “...trial period” (Do not pur-
   chase an access code at this time. However, you must purchase an access code within
two weeks for you to continue using the system beyond the two-week trial period.
The system will prompt you to enter your access code when the deadline approaches. Your book may have an access code bundled with it. You must use it.)

(4) After your first registration, you can sign in as returning user.
(5) Should you run into technical problems Enhanced WebAssign provides technical support online and/or by phone.

Sections to be covered:


- Chapter 1: 1.1 – 1.6.
- Chapter 2: 2.1 – 2.5 and 2.8.
- Chapter 3: 3.1 – 3.7.
- Chapter 4: 4.1 – 4.5.
- Chapter 5: 5.1–5.3.