COURSE DESCRIPTION
CALCULUS I
125-CT.31916
SPRING 2019

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Sourav Bhattacharya
Office: CH 476B
Phone#: (205) 447-3520
E-mail: sourav@uab.edu
Office Hours: Phone/email for appointment

Meeting times: Monday, Tuesday, Wednesday, Thursday / 8:00 am to 8:50 am
Meeting location: The Heritage Hall Building, HHB 126
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
Textbook: Essential Calculus — second edition by James Stewart, Thomson-Brooks/Cole,

Important dates:
First day of classes: The 7th January 2019
MLK Holiday: The 21st January 2019
Last day to withdraw with a “W”: The 1st March 2019
The Spring Break: 11th March 2019 to 17th March 2019
Last day of class: The 17th April 2019

Major exams (tests):
- Test I: near Thursday, January 31; Sec. 1.1–1.6, 2.1–2.4;
- Test II: near Thursday, February 28; Sec. 2.5, 2.8, 3.1–3.5;
- Test III: near Thursday, March 28; Sec. 3.7, 4.1–4.5;
- Test IV: near Monday, April 15; Sec. 3.6, 5.1–5.3.

These dates are tentative. The particular sections to be covered in the tests are
provided for information only and can be slightly shifted based on the actual pace.
Final exam: The 24th April 2019 1:30–4 PM (Location to be announced.)

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. If you are unable to attend class, you must email me BEFORE that class take place and bring me a verifiable excuse later. You will not get attendance for a day if you arrive late or leave early without informing me earlier through email.
- Class meetings will be of 100 minutes. Lecture will consist of theory and numerous solved problems. Home-works and problems on Tests will all be modeled on those solved problems. So, it is extremely important that you revise your daily class notes in order to do well in the tests.
- Students are expected to undertake at least 10 hours of private study in which they should revise the class notes and do the assigned homeworks.
- 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 questions (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.

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

- In addition your grade maybe raised by a strong performance on the final exam (normally at most one letter grade).

Tips:
- Past tests are available at 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 and click on I HAVE A CLASS KEY in the signin link.
2. Enter the following course key:

   uab 3390 0334

   and proceed. (If prompted for your institution, enter uab)
3. When prompted to purchase an access code, select “. . . trial period” (Do not purchase 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.
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.