COURSE DESCRIPTION

CALCULUS I
MA 125–7A, 51923
FALL 2018

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Jean Rugamba
Office: CH 477
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Office Hours: Wednesday, Friday 1–2 PM

Meeting times: MW, 4:40–6:30 PM
Meeting location: 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

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: August 23, 2018.
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 final exam score. Otherwise, if you miss an exam you will receive a zero score for this exam. In all cases you must inform 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

- A large fraction (25%) of your grade will be determined by online homework (13%) , in-class quizzes (7%) and attendance(5%).
- Class meetings of 110 minutes will be consisting of lectures and discussions of examples and homework problems. It should be everyone’s goal to learn the most during class meetings by staying acutely engaged( please, no cell phone and laptop use during 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 (more information below).

Assessment procedures:

- Student achievement will be assessed by the following measures:
  - **Regular online homework.** 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. Staying on top of homework is extremely important as problems on tests are modeled after homework problems. This allows students to gauge whether they are ready to work problems. Homework counts for 13 % of the course average.
  - **Weekly in-class quizzes.** These will be short quizzes on materials covered the previous week and they will usually be given on Mondays at the beginning of class. A pool of problems from which these quizzes are drawn from, will be given beforehand each week. Quizzes count for 7 % of the course average.
Four in-class tests including short questions (Part I) as well as problems requiring in depth understanding (including word-problems). Partial credit is awarded where appropriate. Each test contributes 12.5% to the course average.

Attendance Attendance in the course is crucial for your success. The roll will be taken close to the beginning of every class. If you are unable to attend class, you must bring me a verifiable written excuse; in that case your absence will not be counted. Attendance will contribute 5% of the final grade.

A 150-minute comprehensive final examination including Part I and Part II type problems. The final contributes 25% to the course average.

- 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 (normally at most one letter grade).

Tips:
- Past tests are available at [www.math.uab.edu](http://www.math.uab.edu) under student resources/test bank.
- 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 1720 2477

   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.
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.

**How to Study each Day**

1. Read over your notes from class that day and the relevant section(s) of the textbook.
2. Make a list of questions to ask me at the beginning of the next class.
3. Review the recent problems.
4. Work on several new problems and read the appropriate new section of the textbook.