COURSE DESCRIPTION
CALCULUS II – MA 126 - 8C
SPRING 2018

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Ahmed Ghatasheh
Office: CH 472
Phone#: (205) 934-2154
E-mail: ghatash@uab.edu
Office Hours: Tuesday, Thursday 3:30 PM – 4:30 PM (or by appointment)

Meeting times: Tuesday, Thursday 5:00 PM – 6:50 PM
Meeting location: HHB 124
Prerequisite: Grade of C or better in MA 125, MA 225 or equivalent
Credits: 4 semester hours
Textbook: *Essential Calculus, 2nd Edition* by James Stewart, Thomson-Brooks/Cole, 2013 (must have Enhanced WebAssign Access Code); Topics to be covered can be found in Chapters 5 — 8 and Chapter 10. (See below for more detail.)

Important dates:
First day of class: January 08, 2018
Martin Luther King, Jr. Holiday: January 15, 2018
Last day to drop/add without paying full tuition: January 16, 2018
Last day to withdraw with a “W”: March 02, 2018
Spring Break: March 12 – 18, 2018
Last day of class: April 20, 2018

<table>
<thead>
<tr>
<th>Major exams (tests):</th>
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<tbody>
<tr>
<td>Test I: near Tuesday, January 30;</td>
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<tr>
<td>Sections: 4.5, 5.1 – 5.3, 5.6, 5.8, 6.1 – 6.3;</td>
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<tr>
<td>Test II: near Thursday, February 22;</td>
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<tr>
<td>Sections: 6.5-6.6, 7.1–7.3, 7.6;</td>
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<tr>
<td>Test III: near Thursday, March 22;</td>
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<tr>
<td>Sections: 8.1 – 8.7;</td>
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<tr>
<td>Test IV: near Thursday, April 12;</td>
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<tr>
<td>Sections: 10.1–10.5, 10.7 – 10.8</td>
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</tbody>
</table>

(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)

Final exam: Wednesday, April 25, 1:30 PM – 4:00 PM (Location to be announced.)

Date: January 2, 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.
- The two lowest quiz grades will be dropped. If a test is missed due to serious verifiable circumstances or official university business, the test grade will be replaced with the properly rescaled final exam score. You must advise the instructor of such circumstances before the exam takes place. A missed final exam gets a score of zero.
- No books or notes will be allowed during any of the tests or quizzes.
- Calculators which do not have access to the internet will be allowed during tests and/or quizzes.
- A 5'' × 8'' Quick Reference Card made by the student will also be allowed on all major exams (tests and final exam), but not on quizzes.

Methods of teaching and learning:

- Class meetings of 110 minutes consisting of lectures and discussions of examples and homework problems. Time also includes quizzes and four (50-minute) in-class tests.
- 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:
  - **Regular online homework.** Homework will be due on most Mondays. Feedback is provided online 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 of takes/Attempts is allowed (up to a maximum of three) during the week in which the set is available. Homework contributes 5% to the course average. Problems on tests are usually modeled after homework problems. Staying on top of homework is therefore extremely important.
  - **Unannounced quizzes.** Quiz problems are similar to the homework problem sets. This allows students to gauge whether they are ready to work problems in a test situation. Quizzes contribute 10% to the course average.
  - **Four in class tests** including short questions with no or limited partial credit (Part I) as well as problems requiring in depth understanding (including word-problems) for which partial credit is awarded where appropriate. Each test contributes 10% to the course average.
– **Class Attendance** contributes 10% to the course average for this term. The roll will be taken at the beginning of each class meeting. If you are unable to attend class, you must email me **before** that class takes place and bring a **verifiable excuse** later.

– **A 150-minute comprehensive final examination** including Part I and Part II type problems. The final contributes 35% 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>
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</table>

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

**Tips:**

- Help is available in the Math Learning Lab (HHB 202); M–Th, 9:00 AM –8:00 PM, F 9:00 AM –3:00 PM. It is closed during official UAB holidays and breaks. Limited hours are available during final exams.
- Past exams given in Calculus II are posted on the math dept website [www.math.uab.edu](http://www.math.uab.edu) for student practice. Click on **Calculus Testbank** under the **Student Resources** link.
- 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 sign in link.
2. Enter the following course key for MA 126-8C, 5:00 PM – 6:50 PM: **uab 0297 1176** and proceed. (If prompted for your institution, enter **uab**)
3. When prompted to purchase an access code, select “...trial period.” (However, you must enter a ‘permanent’ 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.) **If you already have an active WebAssign account associated with this edition of the textbook, you may simply add this course to your account by using the above Course Key.**
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. [https://webassign.com/support/student-support/](https://webassign.com/support/student-support/)
   1-800-955-8275, option 1

- Review for Chapter 4: 4.2 – 4.5.
- Review for Chapter 5: 5.1 – 5.3.
- Chapter 5: 5.6, 5.8.
- Chapter 6: 6.1 – 6.3, 6.5 – 6.6.
- Chapter 7: 7.1 – 7.3, 7.6.
- Chapter 8: 8.1 – 8.7.
- Chapter 10: 10.1 – 10.5, 10.7 – 10.8