

COURSE DESCRIPTION
CALCULUS II – MA 126 - DV SPRING 2020

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Dr. J. Hutchison
Office: UH 4053
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Office Hours: T Th 2:30 PM – 4 PM (or by appointment, or dropping in)

Meeting times: MTWR 1:25 PM – 2:15 PM
Meeting location: UH 2011
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 13, 2020
Martin Luther King Holiday: January 20, 2020
Last day to drop/add without paying full tuition: January 21, 2020
Last day to withdraw with a “W”: March 13, 2020
Spring Break: March 16 – March 22, 2020
Last day of class: April 2

Test I: near Wednesday, February 5;
Sections: 4.5, 5.1 – 5.3, 5.6, 5.8, 6.1 – 6.3;
Test II: near Wednesday, February 26;
Sections: 6.5-6.6, 7.1-7.3, 7.6

Major exams (tests):

Test III: near Wednesday, March 25;
Sections: 8.1 – 8.7;
Test IV: near Wednesday, April 15;
Sections: 10.1–10.5, 10.7 – 10.8

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

Final exam: Wednesday, April 29, 1:30 PM – 4:00 PM (Location to be announced.)

Date: January 5, 2020.

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 and the two lowest homework grades will be dropped to account for any missed assignments due to illness or any other circumstance. 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 the unlikely event when two or more midterm tests are missed due to a serious verifiable circumstance or official university business, the matter will be resolved on the case by case basis in cooperation between the student, the instructor, and the coordinator of Calculus II classes. In any case you **must** inform your instructor of such circumstances **before** the exam takes place.
- No books or lecture 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 50 minutes consisting of lectures and discussions of examples and homework problems. Time also includes quizzes and four (**50-minute**) inclass 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 homework.** Both online, text problems, and on-paper homework will be regularly assigned. 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. Online homework contributes 10% to the course average. In addition to the online homework, problems from the text, and some regular (on-paper) homework will also be assigned to be turned in on paper for grading (See below for the contribution of the on-paper homework to the course average.) Keep in mind that 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.
- **Class Attendance and group work** 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. Students at times will also be required to work in small groups under the supervision of the course instructor.
- Quizzes, on paper-homework and group work contribute 15% 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.
- **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:

Course performance:	88- 100	75- 87	62- 74	50- 61	below 50
Final Grade:	A	B	C	D	F

- In addition your course 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.uab.edu/cas/mathematics

for student practice. Click on *Calculus Testbank* under the *Resources* and *Student Resources* links.

- 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 *sign in* link.
- (2) Enter the following course key for MA 126 – DV 1:25 PM – 2:15 PM: **uab 0199 6084** 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/>
1-800-955-8275, option 1

Sections to be covered: *Essential Calculus, 2nd Edition* by James Stewart, Thomson-Brooks/Cole, 2013.

- 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
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