

SYLLABUS

HONORS CALCULUS II: MATH 153H, SECTION 1

FALL 2014

Instructor's Name: David Duncan

Instructor's Email: duncan42[at]math.msu.edu

Instructor's Office: Wells Hall C-315

Office Hours: Mon, Wed: 9 am-10 am; Mon: 2 pm-3 pm; additional office hours available by appointment

TA's Name: Becca Sodervick

Lecture Times and Location: M, W, F 12:40-1:30, Wells Hall A-326

Recitation Time and Location: Tu 12:40-2:00, Psychology Building 120

Course Webpage: math.msu.edu/~duncan42/Fall14Math153H.html

Textbook: Marsden, Weinstein. *Calculus II*. Springer-Verlag New York Inc. 1985.
ISBN 0387909753

Objectives: This course will cover Chapters 7-12 of the textbook. We will therefore encounter integrals, differential equations, series, and various special topics. The core material does not differ very much from that of Math 133; however our study of this material will be a somewhat deeper.

Homework: I will post homework assignments and due dates on the course webpage. There are two types of regular homework in this class: WeBWorK and 'turned-in' homework.

WeBWorK is free for this class, and the problem sets are submitted online at the specified due dates. All WeBWorK problems are graded electronically and you will receive immediate feedback.

Turned-in homework assignments will be, well, turned-in. You should hand these in on the due dates *at the beginning of class*. It is your responsibility to turn in the correct assignment at the correct time. **Late work will not be accepted.** Only selected problems from the turned-in problem sets will be graded. I will drop the lowest homework score when computing your final grade.

Homework help is available during my office hours, during recitation, and at the Math Learning Center (MLC). You are encouraged to work in groups and to use the MLC. However if you do so, you should credit others on your homework, when appropriate (no points will be deducted for this). There may also be projects assigned during the semester; these will count in the 'Homework' portion of your grade.

Quizzes: Quizzes will be given periodically, and will typically reflect the homework. I will drop the lowest quiz score when computing your final grade.

Exams: There will be three midterm exams and one final exam for this course.

Midterm 1: Tuesday, September 23;

Midterm 2: Tuesday, October 21;

Midterm 3: Tuesday, November 18;

Final: Tuesday, December 9, 12:45 pm - 2:45 pm.

The midterm exams will be given during recitation. I will let you know when we have finalized a location for the final exam.

Final Grades: Here is the breakdown of how your final grade will be computed:

Homework+Quizzes	25 %
Midterm 1	15 %
Midterm 2	15 %
Midterm 3	15 %
Final	30 %

$$\begin{array}{lll} 90 - 100\% = 4.0; & 75 - 82\% = 3.0; & 60 - 67\% = 2.0 \\ 83 - 89\% = 3.5; & 68 - 74\% = 2.5; & 50 - 59\% = 1.0 \end{array}$$

If the situation warrants, I retain the right of assigning grades higher than would otherwise result from the scale above.

Tips for Success: Your attendance and participation in lecture and recitation are crucial to your success. However, successful completion of the homework is equally important. If you can do all the homework problems comfortably (and correctly), you are almost certain of a good grade. If you neglect the homework, there is very little which can earn you more than a passing grade. Simply memorizing what is covered in lecture, recitation, etc. will not be of much help — you must do math to learn math.

Cheating, plagiarism, and their cousins will not be tolerated. For more information about this and other scholarship issues, please consult the handbook or visit the Spartan Life websites at

- <http://www.vps.msu.edu/splife/reg3.htm>
- <http://www.vps.msu.edu/splife/rule32.htm>

Also, please turn your cell phones off, or put them on silent mode during class.

Mathematics Learning Center (MLC): The MLC provides free assistance for students in Math 1825 and all 100, 200-level courses, as well as limited help for 300-level classes. Students wanting help at the Wells Hall MLC should go to the first floor of the C-wing of Wells Hall across from the elevators where a student monitor at the lobby window will direct them to the appropriate room for help. In addition, there are neighborhood MLCs with help available Monday through Thursday evenings. The MLC has an excellent reputation for providing professional, friendly assistance to students. I strongly urge you to use their services. The MLC hours are extensive and will be posted at the center; also see <http://www.math.msu.edu/~mlc/>.

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Finally, here are some important dates:

- 08/27/2014 (Wednesday): Classes Begin. Students should go to scheduled *Monday* classes on the first day.
- 09/01/2014 (Monday): Labor Day; University closed.
- 09/03/2014 (Wednesday): Online open add period for fall semester ends at 8pm.
- 09/04/2014 (Thursday) to 09/10/2014 (Wednesday): Students should go to Undergraduate office, C212 Wells Hall for Mathematics enrollment changes (e.g., late adds, drops to lower course, section changes).
- 09/22/2014 (Monday): End of 100% tuition refund
- 10/15/2014 (Wednesday): Last day to drop a course without a grade being reported.
- 11/27/2014 (Thursday) to 11/28/2014 (Friday): Thanksgiving Break.
- 12/5/2014 (Friday): Last day of classes.