# Calculus II Syllabus (MATH 2423-006)
# Spring 2013

**Instructor contact information:**

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Instructor:             Thomas Madsen
Office:                 PHSC 908
Help Center hours:      Monday    2:30 p.m. to 4:30 p.m.
                        Wednesday 2:30 p.m. to 4:30 p.m.
Email:                  thomas.l.madsen-1@ou.edu
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**Meeting time**: The class meets Tuesdays and Thursdays from 12:00 p.m. to 1:15 p.m. in room 0363 in the Physical Sciences Center (PHSC).

**Prerequisites**: MATH 1823.

**Text**: *Calculus*, (7th edition), by James Stewart, Brooks/Cole, 2012, ISBN-13 978-0-538-49781-7. It is important that you have the correct edition since the homework assignments will consist mostly of problems from this edition of the book. The course covers Chapters 4, 5, 6, 7, and 8.

**Email:** You are expected to check your OU email regularly. I will only send emails to your OU email address. If you would like a response to an email that you send to me, I would appreciate that you use your OU email. Please include your name, student ID number, and course number and section in all messages.

**Desire to Learn:** All homework assignments will be posted on Desire to Learn (D2L) (http://learn.ou.edu). Also various notes and solutions might be made available there as well. I will assume that you will read notes on D2L. You should visit D2L regularly (daily).

**Calculators:** This is a course of mathematical concepts and techniques, not a course of mechanical computations, so we will have little use of calculators. In particular, due to technological advances that enable certain calculators to store formulas and other information, *use of calculators is prohibited during exams*. Accordingly, the problems on the exams will involve little or no numerical computations. I encourage you to do the homework without use of calculators. However, on occasion you might want to use a calculator on the homework to help with computations of numerical expressions.

**Grading**: Your grade will be based on the following three categories:

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Homework:    15%
Exams:       3x20% = 60%
Final:       25%
Total:       100%
```

The following standard grading scale will be used:

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A    90.0% - 100.0%
B    80.0% -  89.9%
C    70.0% -  79.9%
D    60.0% -  69.9%
F     0.0% -  59.9%
```

I do not anticipate applying any type of "curve" to final grade assignments. Also no extra credit assignments should be expected.

**Homework**: Homework will be assigned on D2L and collected on the due date in class *at the beginning of class*. Late homework will not be accepted. It upsets the grading process and is unfair to other students. The key to success in this (and any other math) course is to work through a lot of exercises. This will enable you to master the material, and be better prepared for the exams. The homework assignments will only provide you with a minimum level of exposure to the material. Apart from the homework assignments that you are required to turn in, there will be additional problems -- that you should not turn in -- designed to familiarize you further with the course contents, and you are strongly encouraged to do them. A list of the assigned problems will be regularly updated on D2L.

For homework and exam questions that require a written explanation, I expect that you will write up solutions neatly. If you know how to do the problems assigned, then show it in a neat way. Do not scribble here and there. Be extremely neat. Failing to do so will cost points (even with correct answers).

**Help:** It is easy to get stuck or frustrated on math problems. Therefore I cannot encourage you enough to work together on the homework problems. Talking about the homework assignments in groups can often catch small mistakes or help one get started on a problem. However, you have to write up your own solution.

**Help Center:** The Mathematics Help Center is located in PHSC 209 and is open Monday through Thursday 9:30 a.m. to  5:30 p.m. and Fridays 9:30 a.m. to 3:30 p.m. Please see

> http://www.math.ou.edu/undergrad/helpcenter.html

for any changes to these times and for general information about the Help Center. Math graduate assistants will be available on a walk-in basis during these times to help you. You are encouraged to take advantage of this resource should you need it.

**My Help Center Hours:** My Help Center hours (office hours, lab hours) will be on Mondays from 2:30 p.m. to 4:30 p.m. and on Wednesdays 2:30 p.m. to 4:30 p.m.

**Exams**: There will be three midterm exams, which will be given during regular meeting time on the following dates:

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Exam 1: Tuesday, February 19, 2013
Exam 2: Thursday, March 28, 2013
Exam 3: Tuesday, April 23, 2013
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Please note that there is a small probability that these dates might change.

**Final Exam:**  The comprehensive final examination will be held in the usual lecture room on

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Wednesday May 8 2013.
1:30 p.m. - 3:30 p.m.
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**Attendance**: Attendance is mandatory. A sign-in sheet will be passed around at the beginning of each class. Be advised that you are fully responsible for the material covered in each class, even if you miss class for a good and justifiable reason.

**Academic Misconduct:** : Any case of academic misconduct will be reported to the Dean of the College of Arts and Sciences for adjudication in accordance with the University's established academic misconduct procedures. The penalties can be quite severe. Don't do it! I will not

hesitate to report any activity that I believe is academic misconduct. For details concerning these procedures, please consult

http://integrity.ou.edu/

Note in particular the page on the "Student's guide to academic integrity":

http://integrity.ou.edu/students_guide.html

Please also read through the Academic Misconduct/Integrity Code:

http://integrity.ou.edu/files/Academic_Misconduct_Code.pdf

Students are also bound by the provisions of the Student Rights and Responsibilities Code, which can be found here:

http://studentconduct.ou.edu/

**General course policy**: There will be no make-ups for missed exams unless the following conditions are met: a) there is a valid reason for the absence (such as severe illness requiring medical attention), and b) you can provide me with written verification (such as a note from your physician). If you are ill on the day that you turn in a homework assignment, you are required to contact me via email as soon as possible. We will then work out how you can turn in your homework assignment. If you fail to contact me, then I will assume that you decided not to turn in that particular assignment.

**Important dates:** You can find the Academic Calendar for the university here:

http://www.ou.edu/admissions/home/academic_calendar.html

It is your responsibility to know the important dates that apply. Note in particular the following important dates:

```
21 January:   No class because of Martin Luther King Day
29 March:     Last day to withdraw (for undergraduate students) from the
              class with an automatic W
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**Policy on W grades:** The last day to withdraw with a "W" without permission of the Dean is March 29. After March 29, University regulations specify that you may withdraw only in "very unusual circumstances", and only with the permission of the Dean. Avoidance of a low grade is not a sufficient reason to obtain permission to withdraw after this date. From the faculty handbook (http://www.ou.edu/provost/handbook.html):

> A student who withdraws from a course during the first two weeks of classes (first week of a summer term) receives no grade; however, a student who withdraws from all classes in the first two weeks of classes (first week of a summer term) receives the grade of "W."
> From the third week (the second week of a summer term) through the tenth week (fifth week of a summer term), any student who withdraws from a course will receive a grade of "W."
> After the tenth week (fifth week of a summer term) through the remainder of the term, withdrawals are not permitted except by direct petition to the dean of the college in which the student is enrolled. The student who withdraws with permission of the dean will receive a final grade of "W" or "F" at the discretion of the instructor.
> …

A student is allowed only five grades of W throughout the course of his/her undergraduate career at the University. Once a student reaches this maximum number of W grades, he/she will not be allowed to drop any courses after the two-week "free drop" period.

After the five-drop limit has been reached, students with extreme, extenuating circumstances may apply for an exception to the limit on W grades through the Office of the Provost.

Because complete withdrawals often stem from extenuating circumstances, complete withdrawals will not be counted against the five-drop limit.

**Students with disabilities:** From the website of the Disability Resource Center (DRC):

"Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities."

From previous experience I understand that you should always contact the DRC. After you have contacted them, I should get an email from them about your situation. After I receive this email, we can work out accommodations. Since you have to contact the DRC at some point, it is my personal opinion that you are free to contact them before contacting me. The contact information for the DRC is:

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Disability Resource Center (DRC)
Goddard Health Center
620 Elm, Room 166,
Phone: 325-3852
http://www.ou.edu/drc/home.html/
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Let me say that I have had very pleasant experiences working with the DRC, and I highly encourage you to make use of this resource if you should need it.

**Religious holidays:** It is the policy of the University to excuse absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional required class work that may fall on religious holidays. Any student who wishes to reschedule an exam in order to observe a religious holiday should contact me during the first two weeks of classes.

**Some general advice:** In my experience, students who have the necessary requisites but fail to succeed in a college math course do so because they are not devoting enough time to the subject outside the classroom. How much time you should spend studying depends on your prior preparation and individual inclination. However, you should reasonably expect to spend *at least* six hours per week doing homework, reviewing lecture notes, etc. An essential part of the learning process is to read the material that will be covered in a lecture *before* class, even if you do not fully comprehend it. One last word of caution: do not fall behind! The course is fast-paced and new results build on old, so that if you don't understand what came before, you won't understand later topics.

**Disclaimer:** I have tried to verify all links in this syllabus and I have cross checked important dates. However, beware that things might change during the semester. Should I become aware of any changes, I will announce this in class and/or via email. If you are confused about anything in this syllabus, I expect that you contact me.

# Approximate Plan for
# MATH 2423-006 Spring 2013
# (Plan may change!)

| Date | Section[†] - Remarks |
|------|----------------------|
| Tuesday, Jan. 15 | 4.1 |
| Thursday, Jan. 17 | 4.1, 4.2 |
| Tuesday, Jan. 22 | 4.2 |
| Thursday, Jan. 24 | 4.3 |
| Tuesday, Jan. 29 | 4.4 |
| Thursday, Jan. 31 | 4.5 |
| Tuesday, Feb. 5 | 5.1 |
| Thursday, Feb. 7 | 5.2 |
| Tuesday, Feb. 12 | 5.3 |
| Thursday, Feb. 14 | Review |
| Tuesday, Feb. 19 | Exam 1 |
| Thursday, Feb 21 | 5.4, 5.5 |
| Tuesday, Feb. 26 | 6.1 |
| Thursday, Feb 28 | 6.2 / 6.2* |
| Tuesday, Mar. 5 | 6.3 / 6.3* |
| Thursday, Mar. 7 | 6.4 / 6.4* |
| Tuesday, Mar. 12 | 6.6, 6.7 |
| Thursday, Mar. 14 | 6.7, 6.8 |
| Tuesday, Mar. 19 | Spring break |
| Thursday, Mar. 21 | Spring break |
| Tuesday, Mar. 26 | Review |
| Thursday, Mar. 28 | Exam 2 |
| Tuesday, Apr. 2 | 7.1, 7.2 |
| Thursday, Apr. 4 | 7.2, 7.3 |
| Tuesday, Apr. 9 | 7.4 |
| Thursday, Apr. 11 | 7.5 |
| Tuesday, Apr. 16 | 7.5 |
| Thursday, Apr. 18 | 7.6, 7.7 |
| Tuesday, Apr. 23 | Exam 3 |
| Thursday, Apr. 25 | 7.8, 8.1 |
| Tuesday, Apr. 30 | Review |
| Thursday, May 2 | Review |
| Tuesday, May 7 | Finals Week |
| Wednesday, May 8 | FINAL EXAM 1:30 p.m. – 3:30 p.m. |
| Thursday, May 9 | |

† Sections refer to the designated course text *Calculus (7th edition)* by James Stewart.