

Calculus II Syllabus (MATH 1572-03) Spring 2015

Instructor contact information:

Instructor: Thomas Madsen
Office: Lincoln 635
Office hours: Monday 11:00 a.m. to 01:00 p.m.
Wednesday 11:00 a.m. to 12:00 p.m.
Friday 11:00 a.m. to 01:00 p.m.
(Or by appointment)
Email: tlmadsen@ysu.edu
Course webpage: tlmadsen.people.ysu.edu/2015-spring-math1572

Meeting time: The class meets Monday, Tuesday, Wednesday, and Friday from 10:00 a.m. to 10:50 a.m. in room 305 in the Lincoln building.

Prerequisites: The prerequisite for this course is MATH 1571 (Calculus 1).

Text: *Calculus*, (7th edition), by James Stewart, Brooks/Cole, 2012, ISBN-13 978-0-538-49781-7. You will need to purchase the complete edition with Ewa Access Code, ISBN 978-1-1118-7356-1 as we will be using WebAssign in this course. Note there is a single variable version and a multivariable version of the text book. For this class, you can get either of the two. If you will be taking the whole calculus sequence, I recommend getting the multivariable version since you will need that book in calculus 3.

While you might be able to get by with an older edition of the book, I recommend that you have the correct edition. The course covers chapters 6, 7, 8, 9, 10, and 11.

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

Course website: The following is a website where I might post various notes during the semester. You will also find a copy of this syllabus here.

tlmadsen.people.ysu.edu/2015-spring-math1572

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.

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

Exam 1: Friday, February 13, 2015
Exam 2: Friday, March 27, 2015
Exam 3: Friday, April 24, 2015

Please note that there is a small probability that these dates might change.

Final Exam: The final exam will be

Friday, May 8, 2014, 08:00 a.m. to 10:00 a.m.

The location of the final exam will be announced at a later time.

Homework / WebAssign: Bundled with the textbook, you will receive an Access Code Card for WebAssign, the online homework submission program. There are links on the course web page to registration guides. You will need the Class Key "ysu 4334 2702" in order to access the course on WebAssign. The instructions for creating a login and id are available on my webpage. The address for WebAssign is

<http://www.webassign.net>.

There is a WebAssign assignment corresponding to each assignment on the homework sheets. Each of these contains a subset of the assigned homework problems. It is strongly recommended that you complete and submit those homework problems on WebAssign. There are several advantages: Immediate feedback on whether your answers are correct, the instructor will know that you are actually doing the homework. You are, of course, not allowed to work together on these problems.

Quizzes: We will have approximately 10 in-class quizzes. These will be announced in advanced. I will drop the lowest two quiz scores. No make-up quizzes will be given.

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

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

The following standard grading scale will be used:

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.

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 should write up your own solution.

Math Assistance Center: The Math Assistance Center is located in Room 408 in the Lincoln Building. The Center is open Monday - Thursday from 9:00 a.m. to 5:00 p.m., and on Fridays from 9:00 a.m. to 3:00pm. For more information, call 330-941-3274. I recommend that you make use of this excellent resource. Please visit the website from the front page of the department's website:

<http://web.yzu.edu/stem/math>

Center for Student Progress: The Marion G. Resch Center for Student Progress is a resource on campus established to help students successfully complete their university experience. Please phone 330-941-3538 or visit the Center for assistance in tutoring or for individualized assistance with social and academic success. The main center is located in Kilcawley West under the bookstore.

<http://web.yosu.edu/csp>

CSP Disability Services is located at 275 Fifth Avenue.

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: Students will be expected to conduct themselves with the highest standards of academic integrity. The Code of Student Rights, Responsibilities, and Conduct defines academic dishonesty as misconduct that includes but is not limited to cheating and plagiarism as defined in The Code. Academic dishonesty is a serious violation of University policy that will not be tolerated in this course and may result in failing the course and/or suspension or expulsion from the University. Please see this website for more information about academic integrity:

<http://www.yosu.edu/ebulletin/academic-misconduct>

General course policy: For 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). Doing mathematics isn't just about getting the right answer, but also about presenting a valid argument using proper mathematical notation.

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 of an exam, you are required to contact me via email as soon as possible. We will then work out how you can take a make-up exam. If you fail to contact me, then I will assume that you decided not to take the exam.

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

<http://www.yosu.edu/calendar/>

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

19 January	Martin Luther King Day
9 - 15 March	Spring Break
26 March:	Last Day for Withdrawing with a Grade of 'W'

Religious observations: It is the policy of YSU to accord students, on an individual basis, the opportunity to observe their traditional religious holidays. Students desiring to observe a religious holiday of special importance must provide advance written notification to each instructor by the end of the second week 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.

Students with disabilities: In accordance with University procedure, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the Office of Equal Opportunity and Disability Services at the beginning of the semester or when given an assignment for which an accommodation is required. Students with disabilities must verify their eligibility through the Office of Disability Service at 275 Fifth Avenue (330-941-1372) intake procedure.

Cancelled Class Policy: Notice that if this class is being cancelled for any one day because of instructor illness, or other reasons, a notice will be sent to your YSU email address as soon as possible.

Department syllabus: The department has a syllabus for this class. This syllabus can be found on the department website:

<http://web.yosu.edu/stem/math>

Disclaimer: I have tried to verify all links in this syllabus and I have cross checked important dates. Despite this, links and dates might change. If the date of an exam changes, I will announce this in an email. If you believe that you have found a mistake in this syllabus, then please let me know as soon as possible.

The following is a tentative plan for MATH 1572-03 Spring 2015
(Plan may change!)

Date	Section [†] - Remarks
M, Jan 12	6.1
T, Jan 13	6.1
W, Jan 14	6.2
F, Jan 16	6.2
M, Jan 19	No Class - MLK Day
T, Jan 20	6.3
W, Jan 21	6.3
F, Jan 23	6.4
M, Jan 27	6.5
T, Jan 28	6.5
W, Jan 29	6.6
F, Jan 31	6.8
M, Feb 2	7.1
T, Feb 3	7.1
W, Feb 4	7.2
F, Feb 6	7.2
M, Feb 9	7.3
T, Feb 10	7.3
W, Feb 11	Review
F, Feb 13	Exam 1
M, Feb 16	7.4
T, Feb 17	7.4
W, Feb 18	7.5
F, Feb 20	7.5
M, Feb 23	8.1
T, Feb 24	8.3
W, Feb 25	9.3
F, Feb 27	10.1
M, Mar 2	10.2
T, Mar 3	10.2
W, Feb 4	10.3
F, Mar 6	10.3
M, Mar 9	Spring Break
T, Mar 10	Spring Break
W, Mar 11	Spring Break
F, Mar 13	Spring Break
M, Mar 16	10.4
T, Mar 17	10.4
W, Mar 18	10.4
F, Mar 20	11.1
M, Mar 23	11.1

T, Mar 24	11.2
W, Mar 25	Review
F, Mar 27	Exam 2
M, Mar 30	11.3
T, Mar 31	11.3
W, Apr 1	11.4
F, Apr 3	11.4
M, Apr 6	11.5
T, Apr 7	11.5
W, Apr 8	11.6
F, Apr 10	11.6
M, Apr 13	11.7
T, Apr 14	11.7
W, Apr 15	11.8
F, Apr 17	11.9
M, Apr 20	11.10
T, Apr 21	11.10
W, Apr 22	Review
F, Apr 24	Exam 3
M, Apr 27	Review
T, Apr 28	Review
W, Apr 29	Review
F, May 1	Review
M, May 4	
T, May 5	
W, May 6	
F, May 8	Final Exam 8:00 a.m. to 10:00 a.m.

† Sections refer to the designated course text *Calculus* by James Stewart.