

MATH 115—COURSE OUTLINE (Fall 2010)

DATE	SECTION	Practice Problems*	WebAssign Due (8am)
Aug. 30	Algebra Review	Complete review worksheet (due in class 9/1)	9/1
Sept. 1	1.5	p. 55: 19, 29, 31, 43, 49, 55, 63, 65, 75, 81, 83, 87, 93, 97; p. 130: 1-3	9/3
Sept. 3	1.7	p. 84: 19,23, 25, 37, 39, 45, 49, 59, 67, 74, 101, 110, 111	9/8
Sept. 8	1.7		9/10
Sept. 10	2.1	p. 155: 3, 5, 7, 15, 17, 21, 27, 35, 43, 47, 51, 55, 61, 67, 69	9/13
Sept. 13	2.2	p. 167: 3, 6, 9, 13, 21, 25, 27, 31, 33, 35, 41, 49, 55, 73-78	9/15
Sept. 15	2.3	p. 179: 1, 5, 11, 15, 19, 23, 25, 28, 31, 33, 38	9/17
Sept. 17	2.4	p. 190: odd 3-9, 15, 19, 21, 25, 31, 35, 41, 47, 69, 70	9/20
Sept. 20	2.7	p. 219: 3, 7, 9, 33, 38, 43, 47, 49, 57, 59	9/22
Sept. 22	Review		
Sept. 24	Exam 1 (Sections 1.5, 1.7, 2.1-2..7)		
Sept. 27	10.1, 2.5	p. 751: 1-6, Graph only 13-15, 37, 43, 49;	9/29
Sept. 29	10.2		10/1
		p. 759: 1-4, Graph only odd 7-15, 19, 23, 31, 37	
Oct. 1	10.3	p. 768: 1-4, Graph only (show asymptotes) odd 9-13; p. 811: (do not find foci) 16, 19, 20, 21, 25	10/4
Oct. 4	3.1	p. 262: 2, 3, 5-10, 13, 17, 19, 21	10/6
Oct. 6	3.1	p. 269: 18, 20, 29, 33, 36, 79, 80, 83, 84	10/8
Oct. 8	3.6	p. 313: odd 25-41; p. 234: 27, 28,	10/11
Oct. 11	3.6	p. 313: 51, 53, 55, 59, 75; p. 131: 21, 25, 27, 28	10/13
Oct. 13	4.1	p. 336: 7, 14, 17, 19-24, 25, 29, 35, 39, 43, 65, 69	10/15
Oct. 15	4.2	p. 349: 5, 8, 13, 15, 19, 21, 23, 25, 27, 31, 41-46, 49, 51, 53, 57, 61, 63; p. 367: 37, 39	10/18
Oct. 18	4.3	p. 356: 3, 5, 7, 11, 15, 19, 21, 23, 33, 39, 43	10/20
Oct. 20	4.3, 4.4	p. 357: 29, 35, 37, 41, 45, 47, 49, 60, 64	10/22
Oct. 22	4.4	p. 366: 5, 11, 17, 23, 29, 31, 43, 45, 47, 49, 65, 75; p. 382: 5, 15, 45, 49	10/24
Oct. 25	Review		
Oct. 27	Exam 2 (Sections 3.1, 3.6, 4.1-4.4, 10.1-10.3)		
Oct. 29	5.1	p. 406: 3, 13, 17, odd 19-25, 33, 35, odd 37-41, 51	10/29
Nov. 1	5.1, 5.2	p. 407: 27, 29, 43, 45, 47, 49, 55; p. 416: odd 1-11, odd 45-51	11/3
Nov. 3	5.2	p. 416: odd 13-21, 53, 55, 59, 62, 63, 65, 67, 79	11/5
Nov. 5	5.3	p. 429: odd 1-17, 21, 23, 27, 29, 41, 43	11/8
Nov. 8	5.3	p. 439: 33, 34, 37, 39, 47, 59, 75	11/10
Nov. 10	5.4	p. 441: 1-7, odd 11-17, 21, 23, 31, 33, 41, 45, 55	11/12
Nov. 12	7.1	p. 533: odd 1-23, 29, 38, 39, 89-94	11/15
Nov. 15	7.2	p. 539: 7, 11, 15, 18, 21, 29, 37, 45, 48, 49	11/17
Nov. 17	7.3 (pp. 550-3)	p. 548: 1, 3, 7, 13, 61, 69, 91, 93	11/19
Nov. 19	7.5	p. 568: odd 1-9, 13, 15, 29, 33, 39	11/22
Nov. 22	7.5	p. 568: 17, 20, 23, 38, 41, 45, 51, 55, 58, 60, 65, 79	11/24
Nov. 24	6.1, 6.3	p. 474: 1, 3, 5, 7, 10, 13, 15, 17, 23, 27, 28, 34, 43, 47, 52, 55, 67, 69, 76; p. 501: 45, 49, 50, 68	11/29
Nov. 25-26	Thanksgiving break		
Nov. 29	6.2	p. 484: 3, 9, odd 17-23, 28, 31, 39, 41, 45, 47, 55, 56, 59	12/1
Dec. 1	Review		
Dec. 3	Exam 3 (Chapters 5, 7, Sections 6.1-6.3)		
Dec. 6	6.4	p. 506: 3, 5, 13, 15, 19, 21, 27, 33, 37, 39	12/8
Dec. 8	6.5	p. 513: 3, 5, 11, 13, 15, 37, 39, 41, 43, 45, 49	12/10
Dec. 10	review for final		
Dec. 11	study day—review for the final (time and room to be announced)		
Dec. 13	Final exam 1:30-3:30 (room to be announced in December)		

*page numbers are for *Precalculus: Math 115* (ISBN 0-4952-1375-6) (Custom edition of *Precalculus 5th ed* by Stewart, Redlin and Watson)

Using this course outline: After each class date is listed the section scheduled to be covered that day, the practice exercises for that section and the date on which the WebAssignment for that section is due. In general, WebAssignments are due at 8am on the date listed and are available a week before they are due. However, you can always check the time and date for an assignment on your WebAssign home page. Before each class meeting you should read the section listed for that date, try the practice exercises and at least look through the WebAssignment for that section. For example, before class on Sept. 13 you should read Section 2.2 and try the practice exercises listed in the row for Sept. 13. The practice exercises listed in the course outline won't be graded but there may be similar problems on quizzes. They are intended as practice before the graded homework is attempted.

Homework: Homework is an integral part of this course. The graded homework is done online in WebAssign and counts 80 points or about 11.5% of the total points for the course. Most WebAssignments are based on exercises in the textbook. WebAssignments are graded as soon as they are submitted and you have up to three submissions for each question. Start your homework early enough so that you can get help if needed before the assignment is due. More information about WebAssign is available on the math department's web site: www.math.umd.edu/undergraduate/webassign/.

The Student Solutions Manual can help you in learning to solve problems. When you work practice problems, try to work the problems on your own. If you reach a point where you are stuck, look up the solution in the solutions manual and see how the authors proceeded or began. Then close the book and try to make the next steps on your own. Always try to answer the question, "Why did they do it that way?" If you have trouble with an even-numbered problem, try working the problem just before or just after it (or any other odd problem that looks similar), using the solutions manual if needed. Then try the even problem again. If homework is collected for grading or used to answer a quiz problem, the work must be your own; if solutions are copied from the solutions manual, you will receive no credit for them and may be subject to charges of honor code violation for plagiarism.

Quizzes: You can expect quizzes and white-paper work almost any class day. White-paper work is generally open-note work done during class after examples given by your teacher. Quizzes are closed-book checks on your work.

The average time spent on non-examination studying for a math course at this level should be about two hours for every hour spent in class; in other words you should plan to spend an average of six hours a week on homework and studying for quizzes.

Exams: There will be three 50-minute, 100-point exams during the semester plus a two-hour, 200-point uniform final exam. The midterm exams are scheduled for Sept. 24, Oct. 27, and Dec. 3. The uniform final exam is scheduled for 1:30-3:30 pm on Dec. 13.

GRADE POLICY:	
3 midterm exams (100 points each)	= 300 pts.
Quizzes and white papers	= 120 pts.
Homework	= 80 pts.
<u>Final Examination</u>	<u>= 200 pts</u>
TOTAL	= 700 pts.
Average =	$\frac{\text{Total points}}{7}$

The expectation is that a letter grade will be given using the following scale for the semester average: 90-100 (A), 80-89 (B), 70-79 (C), 60-69 (D), 0-59 (F). There will be no curving of exam grades during the semester. If there is any adjustment to this curve, it will only be done for the course totals and the final grade at the end of the semester. In the case of borderline grades, you need at least two exam grades at or above the higher grade level in order to have the higher grade considered. For example, suppose the lowest total for a C is 490 points and you have received exam scores of 65 (D), 57 (F), 90 (A) and 117 (D), a quiz total of 95 and a homework total of 58 for a total of 482 points. In this case your grade for the course would be a D.

Honor Code: You are expected to abide by the University Honor Code on all examinations, quizzes, and homework assignments. Copying homework solutions or quiz or test answers from someone else is also cheating as is altering a quiz or examination after it has been graded or giving answers to someone during an exam or quiz. Copying solutions from the solutions manual is plagiarism. You will be asked to write and sign the following honor pledge on each assignment, quiz and exam unless exempted on assignments by your instructor:

I pledge on my honor that I have not given or received any unauthorized assistance on this assignment / quiz / examination.

Teacher:

Email:

Off:

Off: H

Complete and keep handy: