

# Fall 2018 MATH 141 Syllabus — Ruiwen Shu

## INSTRUCTOR:

Ruiwen Shu

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Office hours: 9:30-10:30am Wednesday, and by appointment. Office: 2113 Kirwan Hall

More information will be available at my website <https://shuruiwen.com/teaching/>

LECTURE: MWF 11:00am-11:50am, Room: ARM 0135. Discussion sections are on TuTh and the time and location depend on your section number.

TEXTBOOK: 6th Edition of Calculus w/ Concepts in Calculus, by Ellis and Gulick. The course covers essentially all of Chapters 6, 7, 8, 9, and part of 10.

HOMEWORK: As in Math 140, graded homework is online with WebAssign, normally due 7:30am each Tuesday and each Thursday. Textbook practice problems are assigned (see back side) but generally will not be turned in or graded. We suggest that you do the practice problems to get used to the homework problems. Instructions for WebAssign: go to [www-math.umd.edu/undergraduate/resources.html](http://www-math.umd.edu/undergraduate/resources.html), and click WebAssign. (31 homework in total)

TESTS and QUIZZES: There will be 4 50-minute midterm exams: see the schedule below. The final examination will cover the whole course. There will be a 10-minute quiz on each Tuesday during the discussion section (12-13 quizzes in total).

GRAPHING CALCULATORS: Graphing calculators are an integral part of the course, but are not allowed on midterms, quizzes, or the final examination. The preferred types are TI-83, TI-84, TI-85, TI-86, and TI-89.

HONOR CODE: The UMD Code of Academic Integrity is administered by the Student Honor Council. The Code sets standards for academic integrity. You will be asked to write and sign the following honor pledge on each quiz and exam unless exempted by your instructor: "I pledge on my honor that I have not given or received any unauthorized assistance on this quiz/examination." Note that copying solutions from other sources is plagiarism.

GRADES: Letter grades are determined based on your total point, which includes

Top 3 midterms	$100 * 3 = 300$
Lowest midterm	50
Top 10 quizzes	$10 * 10 = 100$
Top 25 homework	$2 * 25 = 50$
Final exam	200
TOTAL possible points	700

THERE ARE NO MAKEUPS FOR EXAMS OR QUIZZES.

\*If you missed a midterm with legitimate excuse: your top 2 midterms count for  $100 * 2 = 200$ , and lowest midterms counts for 75. Your letter grade will be determined based on the percentage of your total point out of your total possible points in this case — 625 points.

FINAL EXAMINATION: Wednesday, December 12, 1:30-3:30pm

Tentative schedule:

Weeks	Monday	Wednesdays	Fridays
1	08/27: review integral	08/29: 6.1	08/31: placement exam, 6.4
2	09/03: Labor Day	09/05: 6.4, 6.5	09/07: 6.7
3	09/10: 6.2, 6.8	09/12: review	09/14: midterm 1
4	09/17: 7.1	09/19: 7.2	09/21: 7.3
5	09/24: 7.5	09/26: 7.5, 7.6	09/28: 7.6
6	10/01: 8.1	10/03: review	10/05: midterm 2
7	10/08: 8.2	10/10: 8.3	10/12: 8.4
8	10/15: 8.5, 8.6	10/17: 8.7	10/19: 8.7
9	10/22: 9.1	10/24: review	10/26: midterm 3
10	10/29: 9.2	10/31: 9.3	11/02: 9.4
11	11/05: 9.4, 9.5	11/07: 9.6	11/09: 9.7, 9.8
12	11/12: 9.8	11/14: 9.9	11/16: complex numbers
13	11/19: complex numbers	Thanksgiving	Thanksgiving
14	11/26: review	11/28: midterm 4	11/30: 10.1
15	12/03: 10.1,10.2	12/05: 10.2	12/07: course review
16	12/10: course review		

Suggested problems:

Chapter 6: p. 363: 5,8,13,19,29 p. 365: 3,8,13 p. 377: 3,9,13,15,17,31,35,53,59  
p. 395: 3,7,9,11,15,17,19,21,23 p. 405: 3,7,11,23,25 p. 415: 3,7,9,11,19,project  
p. 383: 3,5,12,19 p. 423: 1,3,9,10ab

Chapter 7: p. 439: 9,11,19,23,25,35,44,55,57 p. 446: 7,15,25,33,35,37  
p. 454: 5,7,11,15,21,29 p. 470: odds 1-15,21,23,29,33,37,39,45,53,67a  
p. 481: 5,6,7,9,13,17,19,37,47,53,57 p. 509: 5,11,13,24,31,35,41,47,55,57

Chapter 8: p. 520: 3,7,11,15,17,21,31,35,41,45,53 p. 528: 1,5,9,14,21,25,29,30,43,51,57  
p. 538: 1,3,5,7,15,17,31,39,49 p. 542: 1,5,13,21 p. 548: 1,11,13,15,19,22,27  
p. 559: 3,7,11,17,27,33,34,39,49,55,58,69,81a

Chapter 9: p. 572: 1,4,9,11,19,27 p. 584: 3,7,17,19,25,31,35,41,53,project  
p. 590: 1,9,15,16,17,25,30,36  
p. 602: 2,3,5,7,11,13,17,19,25,29,31-33,35,41,43,48,51,61  
p. 612: 3,11,19 p. 617: 1,9,13,17,20,24 p. 624: 1,7,9,19,21,23,27  
p. 636: 1,3,5,9,11,13,19,21,23,27,31,41,43,project 1 p. 649: 3,7,8,13,19,23,33,37  
p. 656: 7,9,13,17,23

Chapter 10: p. 670: 1eg,2cg,3,9,13,20,22,25,27,28,33,project 1,37,41,47  
p. 678: 1,5,7,11,23,14,25,27,31,33