

General Information and Schedule

Class Meetings: Tue, 10-11:50pm and Wed-Thu, 10-10:50am in RH 306.

Instructor: Patrick Guidotti.

Office Hours: Mon, 10-10:50am on Zoom & Wed, 11-11:50am in RH 410F.

Teaching Assistant: Bryan Dimler.

The syllabus is based mainly on and refers to the textbook *Real Analysis* by N.L. Carothers, Cambridge University Press (2000). The chapter on several variables (Winter quarter) is taken from *Advanced Mathematics: An Invitation in Preparation for Graduate School* by P. Guidotti, De Gruyter (2022). The latter textbook is recommended as a complement to the main course textbook.

Fall Schedule

Week/Day	Tuesday (10-11:50am)		Wednesday (10-11am)		Thursday (10-11am)	
Week 0					Sep 22	Ch. 1
Week 1	Sep 27	Ch. 1	Sep 28	Ch. 2	Sep 29	Ch. 2
Week 2	Oct 4	Ch. 2	Oct 5	Ch. 3	Oct 6	Ch. 3
Week 3	Oct 11	Ch. 3	Oct 12	Ch. 4	Oct 13	Ch. 4
Week 4	Oct 18	Ch. 4	Oct 19	Ch. 5	Oct 20	Ch. 5
Week 5	Oct 25	Review	Oct 26	Review	Oct 27	Midterm
Week 6	Nov 1	Ch. 5	Nov 2	Ch. 6	Nov 3	Ch. 6
Week 7	Nov 8	Ch. 6 & Ch. 7	Nov 9	Ch. 7	Nov 10	Ch. 7
Week 8	Nov 15	Ch. 7 & Ch. 8	Nov 16	Ch. 8	Nov 17	Ch. 8
Week 9	Nov 22	Ch. 8	Nov 23	Ch. 9	Nov 24	Holiday
Week 10	Nov 29	Ch. 9	Nov 30	Review	Dec 1	Review

The date of the **final examination** is not available at this time.

Homework Assignments

Assignment 1 – due Mon Oct 3 by 10am

Problems 1, 3, 4, 8, 12, 13, 15, 17, 19, 20, 22, 24, 27, 30, 33, and 34 of Chapter 1.

Assignment 2 – due Mon Oct 10 by 10 am

Problems 36, 42, 45, 46, and 48 of Chapter 1 and Problems 1, 2, 3, 5, 9, 13, 17, 19, 22, 24, and 29 of Chapter 2.

Assignment 3 – due Mon Oct 17 by 10 am

Problems 34, 35 of Chapter 2 and 1, 2, 4, 6, 8, 10, 11, 18, 20, 22, 31, 34, 30, 41, and 45 of Chapter 3.

Assignment 4 – due Mon Oct 24 by 10 am

Problems 2, 3, 5, 6, 9, 11, 14, 17, 20, 23, 26, 27, 41, 62, 67, and 68 of Chapter 4.

Assignment 5 – due Mon Nov 7 by 10 am

Problems 1, 3, 7, 9, 11, 13, 25, 28, 34, 36, 40, 48, 58, 61, and 64 of Chapter 5.

Assignment 6 – due Mon Nov 14 by 10 am

Problems 2, 3, 4, 7, 9, 12, 14, 20, 24, 26 of Chapter 6 and 1, 4, 9, 12, 15, and 21 of Chapter 7.

Assignment 7 – due Mon Nov 21 by 10 am

Problems 26, 28, 33, 37, 41, 44, 48 of Chapter 7 and 2, 3, 9, 13, 15, 17, 20, and 22 of Chapter 8.

Assignment 8 – due Thu Dec 1 by 10 am

Problems 29, 31, 36, 37, 49, 54, 57, 67, 68, 80 of Chapter 8 and 22, and 27 of Chapter 9.

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