

MATH 6995F - Special Topics Analysis

Summer 2026 Syllabus, Section 02, CRN 30989,

Credit hours: 3

Instructor

Thomas Wakefield

Professional Qualifications:

PhD, Pure Mathematics

Professor

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Course Description

6995F. Special Topics Analysis. Specialized topics selected by the staff. Prereq.: Permission of graduate coordinator and department chair. May be repeated up to 12 semester hours. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Introduction to Real Analysis, 4th ed	Bartle and Sherbert	

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
5/11	Sections 2.1-2.5	Real Numbers	Real Number Exercises
5/18	Sections 3.1-3.7	Sequences	Sequence Exercises
5/25	Sections 4.1-4.3	Limits	Limit Exercises Midterm
6/1	Sections 5.1-5.4	Continuity	Continuity Exercises
6/8	Sections 6.1-6.4	Differentiation	Differentiable Exercises
6/15	Sections 7.1-7.3	Integration	Integration Exercises
6/22			Final Exam

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.