

MATH 4890 - Independent Study

Fall 2026 Syllabus, Section 01, CRN 44167,

Credit hours: 3

Instructor

Marie Kramer

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Public Instructor Information

Instructor Title: Assistant Professor

Instructor Professional Qualifications: Ph.D., Mathematics, Syracuse University, 2025

Instructor Office Location: Cafaro Hall

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Course Description

4890. Independent Study. Study under the supervision of a staff member. May be repeated. 3 s.h. Prereq.: Consent of instructor. 1-3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Mathematics Research for the Beginning Student, Volume 1	Eli E. Goldwyn, Sandy Ganzell, Aaron Wootton	978-3-031-08560-4
Required	Mathematics Research for the Beginning Student, Volume 2	Eli E. Goldwyn, Sandy Ganzell, Aaron Wootton	978-3-031-08564-2

Both are available for free as an eBook through Maag Library.

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
8/24	Abstracts of suggested textbook chapters	Select topic	
8/31	Mutually agreed upon textbook chapter	Background information	Mutually agreed upon assignment
9/7	Mutually agreed upon textbook chapter Supplementary material (if needed)	Background information	Mutually agreed upon assignment
9/14	Mutually agreed upon textbook chapter Supplementary material (if needed)	Background information	Mutually agreed upon assignment
9/21	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions	Mutually agreed upon assignment
9/28	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions	Mutually agreed upon assignment
10/5	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions	Mutually agreed upon assignment
10/12		Prepare mid-semester progress report	Prepare mid-semester progress report
10/19	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions Prepare mid-semester progress report	Submit mid-semester progress report
10/26	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions	Mutually agreed upon assignment

11/2	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions	Mutually agreed upon assignment
11/9	Mutually agreed upon textbook chapter Supplementary material (if needed)	Work on mutually agreed upon problems/ research questions Prepare final report	Mutually agreed upon assignment
11/16		Prepare final report	Prepare final report
11/23		Prepare final report	Prepare final report
11/30		Prepare final report	Submit final report

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.