

## MATH 4896 - Senior Undergraduate Research Project

Fall 2026 Syllabus, Section 02, CRN 44294,

Credit hours: 2

### Instructor

Thomas Smotzer

Email: [tsmotzer@ysu.edu](mailto:tsmotzer@ysu.edu)

### Public Instructor Information

Instructor Title: Professor

Instructor Professional Qualifications: Ph. D., Mathematics, Indiana University, 1995. BM. Piano Performance, Baldwin Wallace College, 1988

Instructor Office Location: Cafaro Hall Rm 646

Instructor Office Phone: 330-941-3302

### Course Description

4896. Senior Undergraduate Research Project. Individualized study of a topic in mathematics culminating in a written report and an oral presentation at a national or regional meeting or a local seminar. May be repeated once. Prereq.: 24 s.h. of mathematics applicable to the mathematics major including either MATH 3721 or MATH 3751 and permission of the department chairperson. 2 s.h.

### Course Readings

| Group | Title         | Author | ISBN |
|-------|---------------|--------|------|
|       | None required |        |      |

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 | Proposed Topic             | Due/To Prepare for Class                                 |
|---------|----------------------------|----------------------------------------------------------|
| 8/24    | Mutually agreed upon topic | Research possible topics                                 |
| 8/31    |                            | Updates, progress since last meeting                     |
| 9/7     |                            | Updates, progress since last meeting                     |
| 9/14    |                            | Updates, progress since last meeting                     |
| 9/21    |                            | Updates, progress since last meeting                     |
| 9/28    |                            | Updates, progress since last meeting                     |
| 10/5    |                            | Updates, progress since last meeting                     |
| 10/12   |                            | Updates, progress since last meeting                     |
| 10/19   |                            | Updates, progress since last meeting                     |
| 10/26   |                            | Updates, progress since last meeting                     |
| 11/2    |                            | Updates, progress since last meeting                     |
| 11/9    |                            | Updates, progress since last meeting                     |
| 11/16   |                            | Updates, progress since last meeting; draft final report |
| 11/23   |                            | Refine report, prepare for oral examinations             |
| 11/30   |                            | Refine report, prepare presentation                      |
| 12/7    |                            | Present project, 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.