Senior Seminar II (MATH 4160)

Meeting Times: To be coordinated with your faculty supervisor.

Last day to withdraw: Monday, March 30, 2026.

Instructor: Nathan Smith

Office: RBN 4007

Contact: nsmith@uttyler.edu

Office Hours: Tentatively 11:15 - 12:10 MWF, other times by appointment.

Course Topics: You will learn how to typeset mathematics using LaTex, how to read and write mathematics for various audiences, and how to prepare and give a poster presentation.

Student Learning Outcomes: By the end of the course students should be able to:

1. perform a literature search based on a mathematical topic,
2. typeset a mathematical work usin LaTeX,
3. write mathematics in a clear, concise, and coherent way,
4. create and deliver a presentation of a given mathematical topic.

Grading: Your grade will be based upon your written paper (70%) and on your poster presentation (30%). Your written paper will be assessed mainly by your faculty advisor, and your poster presentation will be assessed by the entire faculty. Ongoing and egregious difficulties meeting deadlines assigned by your faculty advisor may also be taken into account when assessing your grade, even if your actual written paper is stellar, so you are encouraged to behave responsibly.

Student Academic Conduct: It is your responsibility to learn the material in this course for your own benefit. You should not let this discourage you from working together on your homework but in the end what you turn in should reflect your understanding, not just be copied from someone else. Students are also expected to help enforce this code. Students are encouraged to obtain a copy of *A Student Guide to Conduct and Discipline at UT Tyler*, available in the Office of Student Affairs.

Artificial Intelligence: UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that

AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

University Policies: For University policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Corse Drop Policy, Disability Services, Student Absence due to Religios Observance, Student Absence for University-Sponsored Events and Activities, and the Social Security and FERPA Statement please see the syllabus module in Canvas.