

Course Outline for MATH 2001, Mathematics Orientation

MATH 2001 Mathematics Orientation (1unit)

Prerequisite: MATH 143, [MATH 1262](#), or [MATH 1263](#).

Overview of the mathematics major. Career opportunities, a survey of departmental facilities and curriculum, opportunities in research. Introduction to mathematical software. Credit/No Credit grading only. 1 lecture. Formerly MATH 202.

Course Learning Objectives	
1	Identify important department and university resources for academic success and career planning.
2	Design a graduation plan to guide future course selection.
3	Describe career opportunities for mathematics majors.
4	Summarize research opportunities in the department and how to access them.
5	Create mathematical documents, slideshow presentations and resumés using the LaTeX typesetting software.
6	Use software such as GeoGebra to visualize and manipulate mathematical concepts.

Expanded Course Content

Textbooks, materials, and/or other resources
There is no textbook for this course.

Week	Readings	Topics of Discussion
1 - 2	None	Meet and Greet Introduction to department and university resources
3 - 4	None	Career services and preparation for the career fair
5	None	Degree requirements and the catalog
6	None	Applied/Pure/Math Ed mathematics faculty and courses

Week	Readings	Topics of Discussion
7	None	Graduation plan workshop
8 - 9	LaTeX reading materials	Introduction to LaTeX
10 - 11	GeoGebra reading materials	Introduction to GeoGebra
12	None	Research opportunities, examples of student research projects
13 - 14	None	Student centered research presentations
15	None	End of quarter celebration

Method of Assessment

The possible methods of assessment are written individual examinations, quizzes, in-class worksheets or presentations, projects, and homework. All exams are to be proctored in-person, and one or more midterms and a cumulative final exam are required.

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Instructional Mode

The instructional mode for this class is face-to-face. This designation means that the essential academic standards of the course require in-class student engagement, and thus remote instruction is not appropriate.