MATH 110: Explorations in Mathematics
Textbook: The Heart of Mathematics, Burger, Starbird
Instructor: George Voutsadakis
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Office hours: MWF 3:00 - 3:50, TR 4:00 - 4:50

From the Catalog: A discovery course in mathematics which explores the various relationships of mathematics to society and the natural world through application and enrichment. A statistics component is included and a term project is required. This course satisfies the general education mathematics requirement. It will not count toward a major or minor in mathematics.

Prerequisites: MA086 or equivalent/satisfactory score on ACT or Placement Exam.

Course Objectives:

The students taking this course will learn how to explore and enjoy some of the relationships between mathematical ideas and real world phenomena and wonders. After taking the course, they should have developed an ability to extend by comparison and analogy known ideas to formulate new explanations. The small projects should help the students get a feel about doing research on a specific topic at a small scale. Finally, exams will be testing their understanding and appreciation of the ideas presented throughout the course.

SYLLABUS FOR FALL 2002: MWF 11:00 - 11:50

Week	Monday	Wednesday	Friday
1	No Class	1.1	1.2 & 1.3
2	1.4	2.1 & 2.2	2.3
3	2.4	2.5	2.6
4	PRESENTATION	PRESENTATION	EXAM 1
5	3.1	3.2	3.3
6	3.4	3.5	DISCUSSION
7	PRESENTATION	PRESENTATION	EXAM 2
8	4.1	4.2	4.3
9	4.4	4.5	4.6
10	6.1 & 6.2	6.3 & 6.4	6.5 & 6.6
11	PRESENTATION	PRESENTATION	EXAM 3
12	7.1	7.2	7.3
13	7.4	No Class	No Class
14	7.5	7.6	7.7
15	PRESENTATION	PRESENTATION	EXAM 4

Final Exam: Monday, December 16, 10am-12pm