The Goals of this course are to

- gain an overview of the breadth of mathematics and mathematics in the sciences,
- get to meet/hear from some of the mathematics faculty (there will be guest lectures by mathematics faculty members),
- learn about some of the teaching, research, and outreach opportunities in the mathematics department and the university,
- become familiar with the requirements of the mathematics major.

Course Materials: You are expected to come to class to participate, take notes, and pick up copies of materials handed out in class. There is no text that you need to buy.

Grading: There will be homework and in-class assignments, a guest-lecture report, and a report and presentation (at the Mathematics Festival). Teams of two will collaborate in preparing and presenting the report and presentation. Homework and in-class assignments will account for 40% of the overall grade, the guest-lecture report for 20%, and the Mathematics Festival report and presentation for 40%.

Homework and classroom policies: Homework must be neat, legible, and stapled in order to receive credit. You may brainstorm the problems with two other people, but you need to write up your solutions and responses independently. Please pay attention during lectures, particularly guest lectures. It is unacceptable to use your phone or computer, to read the newspaper or play sudoku, etc. In you are late, come quietly into the back of class.

Course requirements:
- Attendance/participation at every class session is expected. You are responsible for material presented and handed out in class, and an in-class activity will often count for part of your homework and in-class assignments grade.
- The guest lecture report is due October 10.
- The Mathematics Festival report and presentation will be near the end of the semester.