

Syllabus
Math 190 - Honors Problem Solving
Thursday 3:30 – 5:10, Fenton 108

Instructors:	Jonathan Cox	Robert Rogers
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Office Hours:	3-4 M W F; 10-11 Th; 1-2 Th	1-2 M W; 3-4 T; 12-1 Th

Textbook: None

Nature of Course: This course provides an opportunity for calculus students to work on interesting problems which go beyond the typical problems found in the calculus sequence. These problems will be examined in a group setting. Each group will then present its problem and solution to the class. You are expected to participate actively in both aspects of this – as a contributor to your group’s solution and presentation, and as a critical (but courteous!) audience member. After the group presentation, each student will be *individually* responsible for writing a formal solution.

Attendance and grading: Attendance is required and any unexcused absence could be detrimental to your grade. Your grade will be based on three categories:

1. Participation and attendance
2. Presentations: Each presentation will be assessed by peers and by the instructors, according to the “4 Cs”: Correctness, Clarity, Completeness, and Creativity.
3. Binder: Groups will also present their solutions to the entire class. Each student will be required to have a three ring binder (1 – 1 ½ in. should be sufficient). The front of the binder will contain polished solutions of the various problems assigned, each preceded by the statement of the problem. These solutions **MUST BE WORD PROCESSED**. The main text must be in Times New Roman, 11 or 12 point font, with one inch margins. The equations must be in *Cambria Math* (the default setting for equations in Microsoft Word). Figures may be hand drawn but must be neat and appropriately placed. The back of the binder will contain scrap work. Though problems will be examined in class in a group setting, the formal write-ups will be done individually. Periodically, the binders will be collected and graded. Binder grades will be based on mathematical content, clarity of explanation, and organization of written solutions.