

When: Student presentations will be given April 20, 22, 27, and 29.

Goals: This project focuses on gaining conceptual understanding of a specific mathematical topic. The following goals are based on the NCTM standards:

1. For students to learn to work on mathematics collaboratively in groups.
2. For each student in MA 202 to make a quality oral presentation about some part of mathematics covered in the course.
3. For students to think about mathematics both independently and as part of a group.
4. For students to learn to write about mathematics.
5. To acquaint the students with some journals and articles in the literature which are mathematics content based.
6. For students to present ideas with a conceptual emphasis.

Groups: Groups have been assigned. Your group topic is the same as your Group number.

Time Requirement: Your group's presentation should last 5-7 minutes per group member; that is, 2-member groups will have 10-14 minutes, etc. It must be clear that each member contributed equally, so allow each group member an equal amount of time to present her/his material.

Expectations: The group will decide how to structure its presentation (remembering that everyone must speak). The audience for this presentation consists of the members of your MA 202 class, not an elementary class. Your purpose is to explain the material conceptually and deeply to your fellow students. The presentations will be evaluated based on the following:

1. Structure and delivery of the presentation (20 points)
2. Preciseness and mathematical correctness (30 points)
3. Applicability to the outside world (5 points)
4. Creativity (10 points)
5. Preparation at required meeting (5 points)

Please see the rubric for more thorough descriptions of the above categories. You will be graded as a group, unless the instructor decides that a group's circumstances require individual grades. If you are concerned about a particular group member, contact your instructor.

Recall that the presentation makes up 15% of your final grade.

Peer Assessment: Your instructor will pair you up with a student from a different group. You will review the student's presentation using the criteria listed above and the provided rubric. Write 1 to 2 pages summarizing your assessment of the student's presentation. You should evaluate

the student's work with honesty and respect, and give constructive, specific criticism. Justify both your positive and negative opinions.

Your typed assessment will be due on Monday, May 3, and will contribute up to 30 points to your presentation grade. This portion of your grade will be based on your objectivity and your adherence to the rubric. Your opinion will not affect the grade of the other student.

Attendance: Attendance is required during each presentation day so that all groups can expect a full audience. Missing class (in full or in part) will result in a 15 point reduction in your presentation grade for each day missed.

Required Meeting: Each group must plan a meeting with the instructor during the week of April 5-9. Before this meeting, your group should (at minimum) read all appropriate materials, discuss the mathematics involved, and have a tentative plan for the organization of the presentation.

Practice the presentation as a group at least once before you present to the class, and discuss any revisions or clarifications that should be made. Be honest and helpful to your groupmates. Feel free to contact your instructor with questions or concerns.

Resources: All of the resources cited in the project descriptions can be found on reserve in the Education Library. Ask a librarian if you need assistance. In addition, most are available electronically at the Education Library website: <http://lib.uky.edu/Ereserves/edkima202/kima202.html> See me for the username and password.

Your group number is the same as the topic number you will be covering (although it is not necessarily the order you will be presenting in). The topic descriptions and a rubric are available on the class website: <http://www.ms.uky.edu/~cmatting/ma202/>