

MATH 199 PROJECT DETAILS

There are 3 types of projects required for this class. You will have the option to decide which one you turn the last day of class and which one you turn in during the final exam time. Details for each type of project are given below.

Project 1: Technology Lab and Presentation (presentations: 12/7 or 12/14)

For this project you will create a Lab similar to those done in class. The technology and topic you choose must be approved by the instructor. The written portion of the Project will consist of two parts:

- (1) The Activity portion will give details about using the technology while incorporating it into a specific topic.
- (2) The Exercises will consist of 3-5 exercises for students (middle school or secondary) to complete.

You will send a copy of the written portion of the project via email to Dr. Crawford (crawford@elmhurst.edu). Dr. Crawford will create a link to everyone's project on the class webpage so that fellow students may download it for future use.

The instructor and fellow classmates will evaluate your lab and presentation based on the following criteria (subject to change at my discretion). Your grade for the project will take all evaluations into account.

Name: (of person to be graded)	(grading guide: 10-excellent, 1-poor)									
	A		B		C		D		F	
Project Evaluation										
1. Is the <u>Activity</u> clear and easy to follow?	10	9	8	7	6	5	4	3	2	1
2. Do the <u>Exercises</u> relate to the topic? Are they appropriate for middle or high school students (or teachers)?	10	9	8	7	6	5	4	3	2	1
3. What is the overall grade you would give this project?	10	9	8	7	6	5	4	3	2	1
Presentation Evaluation										
4. Is the presentation clear, well-organized, and understandable?	10	9	8	7	6	5	4	3	2	1

Project 2: Webpage for a Math Class (due: 12/7 or Tuesday 12/14)

For this project you will create a webpage for a fictional math class. Minimally, it should contain the following:

- The fictional class name (e.g. Geometry, Algebra II, etc.)
- Your name and a link to your email address
- A picture or graphic
- A student assignment (suitable for the fictional class) that involves an outside webpage containing a mathematical resource or technology. The link to the webpage should be included.

Although the webpage should be visually pleasing, remember that too much can be more distracting than helpful.

The instructor and fellow classmates will evaluate your webpage based on the following criteria (subject to change at my discretion). Your grade for the project will take all evaluations into account.

Name: (of person to be graded)	(grading guide: 10-excellent, 1-poor)									
	A		B		C		D		F	
Webpage Evaluation										
1. Does it contain the required elements (see above) and are links working properly?	10	9	8	7	6	5	4	3	2	1
2. Would a middle or high school student find it easy to use and understand?	5		4		3		2		1	
3. Is the overall appearance nice and appropriate for school?	5		4		3		2		1	
4. What is the overall grade you would give this webpage?	10	9	8	7	6	5	4	3	2	1

Note: All students must attend both presentation days 12/7 and Tuesday 12/14.

Project 3: Paper on Technology in the Classroom (due: 12/15)

Write a paper that addresses the following topics:

- Evaluate the practical use of technology in the classroom.
- Evaluate the effectiveness of technology and the costs.
- Discuss how technology can help or hinder learning of mathematics.
- Discuss any ethical implications of using technology in the classroom.

Guidelines for the paper:

- Approximately 2 pages; single-spaced; double-spaced between paragraphs; 1-inch margins
- At least 2 quality references, properly cited