

## Purpose

The final exam for this course will be a presentation of a project related to *Computational Electromagnetics*. The purpose of the project is to learn, practice, and share something outside of what was taught in the course. The projects are intended to be fun, challenging, and informative to the students in the class.

## Rules and Deliverables

### Rules

1. No late projects will be accepted because you must present your work during the final exam period and that cannot be moved.
2. Attendance is required for the entire duration of the final presentations, even if you present at an earlier date.
3. Presentations must be given in Microsoft Power Point format.
4. Do not repeat derivations or formulations that are provided in the course notes or homework. Only provide what you have done that is new or outside of the lecture material.
5. You may work in teams, but proportionately more work and results will be expected from a team than from an individual.
6. Use the Checklist for Presentations to review your presentation prior to presenting.

<http://emlab.utep.edu/pdfs/Checklist%20for%20Presentations.pdf>

### Deliverables

The specific deliverables are summarized below. You will be given a grade of zero if these items are not received by the instructor by the due date and time. The preferred submission format is a single zip file with everything included.

Item	Due
<b>Presentation Materials</b> Your presentation must be created in Microsoft PowerPoint format. Your slides and all other media files needed for your presentation must be submitted well in advance of the final exam period.	Wednesday December 11 by 5:00pm
<b>Electronic Files</b> Your projects may include media files such as animations, movies, or special graphics. Data files may include computer programs, files created from other simulation packages, raw data, etc. Computer programs must be clean, well-organized, and well commented.	Wednesday December 11 by 5:00pm
<b>Graphics, Presentation, and Checklists</b> Your slides, graphics, movies, media files, MATLAB codes, etc., must be of professional quality and publication-ready. Download, complete, sign, and submit the following checklists... Checklist for Graphics: <a href="http://emlab.utep.edu/pdfs/Checklist%20for%20Graphics%20and%20Diagrams.pdf">http://emlab.utep.edu/pdfs/Checklist%20for%20Graphics%20and%20Diagrams.pdf</a> Checklist for Presentations: <a href="http://emlab.utep.edu/pdfs/Checklist%20for%20Presentations.pdf">http://emlab.utep.edu/pdfs/Checklist%20for%20Presentations.pdf</a>	Wednesday December 11 by 5:00pm
<b>Oral Presentation</b> You will present your project during the regularly scheduled final exam period for the class. The presentation should be 10 minutes in duration plus 5 minutes for questions from the class.	Thursday December 12 by 4:00pm

**Grading Sheet (to be completed by the course instructor)**

Student Name: \_\_\_\_\_

<b>Worthiness of Your Topic</b> Topic must be related to <i>Computational Electromagnetics</i> and be of sufficient difficulty to be worthy of your final project. You will earn further points for significance and originality of your topic.	15%	
<b>Completeness of Your Information</b> Your slides and presentation must contain a sufficient amount of detail to fully explain what you did, why you did it, and how you did it. Your presentations should include your methods, results, and conclusions with enough detail that others can reproduce your work.	15%	
<b>Professionalism of Your Media</b> Your slides, graphics, movies, media files, MATLAB codes, etc., must be of professional quality and publication-ready.	15%	
<b>Professionalism of Your Oral Presentation</b> You must show effort to present your project in a professional and understandable manner.	15%	
<b>Accuracy and Trustability of Your Results</b> Your results must be accurate and trustworthy. This can be done by justifying your results through benchmarking, conservation analysis, convergence analysis, etc.	25%	
<b>Mastery of Subject Matter</b> You must demonstrate you understand the material and can apply what you have learned.	15%	
<b>Above and Beyond</b> Is your project novel and significant? Did your project require an extraordinary amount of work? Did you create animations or special graphics? Have you done anything that goes beyond what is expected?	NA	

**Total: 100%**

**Grade: \_\_\_\_\_**

**Comments:** \_\_\_\_\_

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