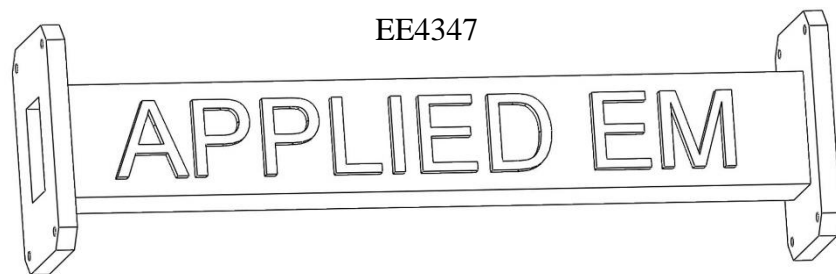


Name: \_\_\_\_\_ (please print clearly)



# Final Exam

Instructor  
*Dr. Raymond C. Rumpf*

Monday  
May 13, 2019  
4:00pm – 6:45pm

## Description

Research a topic in the literature that is related to what was discussed in this class. Try to choose a topic you are interested in and/or may help you in your career. Understand the “big picture” of the papers you read and present. Make an “extrapolated conclusion” about your topic by making a meaningful conclusion not directly discussed in the papers. Summarize your research in a PowerPoint presentation. Plan on presenting for 10 minutes and then answering 5 minutes of questions. Properly reference your sources and include all references in a bibliography. Submit a single PDF of your presentation and include all of the relevant papers that you used at the end of the PDF. These PDFs will be shared with the entire class. The PDF is due the day of the final exam for this class. No late projects will be accepted.

## Format

*Cover Slide* – Include a cover slide that contains at least your name, name of the course, date, instructor’s name, and title of your topic.

*Summary* – While it is bad practice to put too much text on a slide, make an exception here. Provide a one paragraph introduction (less than 250 words) that summarizes your entire review and extrapolated conclusion on the slide immediately following the cover slide.

*Body of Review* – Discuss why you chose the topic, summarize each of the papers you studied, provide your own analysis of the papers, and provide your extrapolated conclusion. Clearly identify your extrapolated conclusion.

*Figures and Tables* – Figures and tables should be professional and with sufficient resolution that they are readable and understandable. Label all axes and provide units. Font sizes, line widths, and coloring should be sufficient for each reading. Copy/pasting from the articles you read is allowed and encouraged, but they should be referenced correctly.

*Slide Limit* – There is no slide limit, but your presentation should last about 10 minutes. After you give a few presentations you will have a better idea how many slides you need for a given time limit. A good guess may be 20 slides for this presentation, but that depends on how much information you include on each slide and how long you spend talking about each slide.

*Professionalism* – Your presentation should be checked for grammar and spelling and given a clean and professional look. Consider using multiple slides instead of cramming too much information onto a single slide. Be sure your project is easy to grade by clearly identifying your key points and conclusions. Meet or exceed the professionalism of the homework solutions.

*Effort* – Your project requires a level of effort worthy of replacing your final exam. Your presentation should convey that you have performed a good literature review and that you have put sufficient thought and care into your project.

*References* – Citations should be noted in the slides using square brackets [2]. The references themselves should be listed in a bibliography at the end of your slides, but before the attached PDF papers.

## Grading

Your review and presentation will be graded out of 100 points according to the following criteria:

| <u>Criteria</u>                           | <u>Points</u> |
|---|---------------|
| Proper and professional formatting        | 10            |
| Relevance to the course                   | 10            |
| Level of effort and professionalism       | 30            |
| Accurate and complete summary             | 25            |
| <u>Meaningful extrapolated conclusion</u> | <u>25</u>     |
| TOTAL:                                    | 100           |

You will be given a grade of zero until your single PDF file is submitted. Name the file according to “EE4347 Applied EM Final Project - *your name*.pdf” E-mail the PDF to [rcrumpf@utep.edu](mailto:rcrumpf@utep.edu).