

A term **project** shall be done in lieu of a final exam. The project you choose:

- must be of topical interest, and relate to course material of EE5200.
- must be new work (not copied from your previous course or a past student's project).
- must demonstrate a graduate student level of mastery and **application** of the related concepts and theories. [Note: this is not a term paper.]
- is sufficiently researched (referenced) and documented, and also includes the in-depth analysis and evaluation of the concepts of the most key journal paper related to this work.
- length of body of report: approximately 10 pages of text (not including figures, tables, or equations). All writing is your own original writing. Plagiarism is strictly prohibited!

Time line and required submissions are as follows, all deliverables contribute to the grade of your term project, i.e. 15% of your course grade. Approximate schedule is:

- Week 6 (Friday): submit short e-mail with idea(s) requesting instructor feedback.
- Week 7 (Friday): submit formal outline of project and list of key references.
- Week 9: submit expanded outline of project and complete reference list.
- Week 12: journal paper analysis and presentation (also counts as "mini-lecture")
- Week 12: Submit rough draft of project report before leaving for Thanksgiving break.
- Week 14: Submit final report/deliverable.
- Finals week: present/demonstrate project during final exam time-slot.

#### Report Outline:

##### ***Front Matter:***

- Title Page
- Executive Summary (not needed for initial draft)
- Table of Contents (use as "working outline")

##### ***Body of report:***

- Introduction (brief overview of project: problem area, motivation, overview of project)
- Background
  - literature search, most important references
  - Presentation of key concepts connected with project
  - Identification of existing voids or weaknesses, and resulting opportunity
- Proposed Approach
  - Overview of basic idea that you will develop and implement
  - Development and implementation details
- Implementation (may not be complete in draft versions)
- Results (Expected Results in draft versions)
- Conclusion
- Recommendations for Continued Work

##### ***Supplemental Information:***

- Reference List (number references [1], [2], etc, in order of first author's last name)
- Appendices as required to document details

#### Suggested layout:

- Font: 11-pt CG Times w/1.25-1.5 line spacing; or 10-pt comic or ariel w/1.0-1.25 line space
- Page layout: 1" margins, include page numbering within margin area.
- Use equation editor, number equations and references, call out references by number [1].