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

- must be of topical interest,
- must relate to course material of EE4223/5223.
- must demonstrate level of mastery and application of the related concepts and theories, at graduate level (EE5223 students) or at senior level (EE4223).
- is sufficiently researched and documented, including at least one in-depth analysis and summary of the concepts of a journal paper or applications engineering magazine that is most related to this work.
- length of body of report: approximately 10 pages of text (not including figures, tables, equations, or appendices).

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 5 (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 updated outline of project and complete reference list.
- Week 12: Submit rough draft of project report
- Week 14: Submit final report/deliverable.
- Finals week: present/demonstrate project during final exam time-slot.

Report Outline:
- Title Page
- Executive Summary (not needed for initial draft)
- Table of Contents (use as "working outline")
- 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 (or in draft version the Expected Results)
- Conclusion
- Recommendations for Continued Work
- 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