

ELEN 3401 Electromagnetics Spring 2025 Project Assignment

Part 1: DUE Friday March 28: Team Formation and Topic (10%)

Submit the names of the team members and the project topic. Each team should have three students. Please choose a project topic from the list or create your own. If you decide to choose a topic not on the list, email your suggestion to the TAs (Brian, (zw2542@columbia.edu) and Brett (bcg2133@columbia.edu), and Professor Bergman for approval by noon Thursday March 27.

Part 2: DUE Monday April 7: Project Proposal (20%)

Each team submits a project proposal with a description of the topic and equally assigned components of the EM subarea for each of the members. This outline should include a half page description for each team member's tasks as well as any references (books, articles, relevant websites, etc.).

Part 3: Monday May 5: Final Project Presentations (40%)

Each team will have a slot for presentation on their projects, each member must speak for 5min. An additional 3min at the beginning of the presentation should be dedicated to the introduction of the topic and sub-topics. An additional 3min at the end will be used for questions and discussion.

Part 4: DUE Friday May 9 (30%)

Submit paper on the specific task, including quantitative analysis. The papers will be prepared and submitted individually by every student; however, team discussion is appropriate. Papers are limited to 6 pages inclusive of figures (references are not counted in the 6 pages).