

# ECE 560 Project Final Report Guidelines

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Each project will result in a detailed written report. The deadline for submitting the final report in **soft copy via email is April 19, 2024** (Friday). The report should be organized as you would organize a technical paper. It should be written in **IEEE Manuscripts style: two columns, single-spaced**. You may download a template file at the course website.

The entire report should be no more than **five** pages, including all figures, equations, references, tables, and text. The project report should be neat, readable, and self-contained. Therefore, you should include adequate references and background materials. In addition, using figures, diagrams, tables may be a better way to enhance the comprehension of your project. Each figure, graph, and table must be directly referenced in the text.

Note that plagiarism is using the materials (ideas/words) of another as one's own and without crediting the source. This behavior is prohibited. So, please take the time to properly cite materials written by someone else - include references. **Your report will be checked by SafeAssign, a plagiarism prevention tool.** If you have any question about this, ask the instructor or refer to Student Handbook:

<https://www.umassd.edu/studentaffairs/studenthandbook/academic-regulations-and-procedures/>

Please name your project report using the format of **ECE560-Report-Team#** (e.g., ECE560-Report-Team3.pdf). The following format is suggested for writing the report. While you do not have to follow this outline exactly, all of these elements must be included in your final report.

1. A descriptive title, your names, course number (ECE560), and term number (Spring 2024) under the title.
2. A 200-300 word *abstract* clearly summarizing the problem you investigated, your methodology, main results you obtained, any important problems or difficulties encountered in the project, and a summary of your main findings and conclusions.
3. An *introduction* precisely stating the problem and explaining why what you have done is important and interesting. It also should include the background necessary to understand the report.
4. A survey of *previous research* in this area, along with an explanation that places your project in the context of what has been done before (i.e., what is different and similar about what you have done compared to what has been done before). You must supply citations to the previous work you summarized in your annotated bibliography, plus any additional papers you think should be included.
5. A thorough description of your methodology.
6. An explanation and interpretation of your results.
7. A *conclusion* summarizing what you have done and what it means in a broader context.
8. Recommendations for future work and unsolved problems (if applicable)
9. References: cite all references listed in this section in your discussions in the report
10. Work distribution: describe the responsibilities of each member in completing this project
11. Appendices: include *any* other supporting materials (like codes) as needed. This section is excluded from the five-page limit.