The final project for this course, to be completed in pairs, is to write a critique of a structure as a work of structural art.

The paper should be 15 pages long, double spaced, including figures but not the reference page, and, in order to be successful must
(a) identify details of the structural form that have engineering and aesthetic implications,
(b) identify the loads acting on the structure,
(c) explain how these loads make their way to the ground,
(d) use scholarly research to support your social, scientific, and symbolic critiques,
(e) include illustrations of the structure,
(f) use comparison to other structures,
(g) cite all sources properly, following the citation style guide available on the course web site,
(h) contain reference to at least 2 non-electronic sources,
(i) display good organization, clarity of thought and expression, including a strong thesis statement,
(j) contain, in addition to the paper itself, the results of a search of one of the library’s scholarly indices, such as compendex or the Avery index. On this additional material you should state what search terms were used in obtaining the search results.

This is not an exhaustive list, and no direct correspondence can be made between the number of items satisfied and the grade received. You should consider seriously whether some sort of calculations might enhance your scientific arguments. Significant help in designing and performing such calculations will be available from Prof. Arwade.

Timeline:
4/12 Project workshop: By this time you should have a topic, and have done much of your background research. You should be well on your way to developing a thesis. Come to class prepared to discuss your structure and thesis with your classmates.
4/12 Bibliography, outline, and search results due: You must submit at this point an outline, a bibliography, and the results of a search of a scholarly index from the JHU library. These will be turned in to Prof. Arwade and marked.
4/17, 4/19 Project conferences: Individual meetings with Prof. Arwade will provide you feedback on your thesis, outline, bibliography and general approach to the assignment.
5/1-3 Project presentations: The project should be essentially complete by this time, when you will be asked to make approximately ten minute presentations to the class about your research topic.
5/5 Final papers due.