

Final Project

CMSC 858L

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The final project for CMSC858L is to summarize the main results from one or more related research papers (or original research) in the area of quantum complexity. It is done in groups of 1–5 people. There will be two components to the project: A written part, submitted on Gradescope; and an oral presentation in class.

The oral presentations will be 10 minutes, including setup and questions, and because there are many, I will need to be strict on time. The audience is other students in the class, so you should assume that the audience knows material we covered in class as background (although a brief review cannot hurt). Sign up for a time slot to present at this link:

https://docs.google.com/spreadsheets/d/1SamxHA3xo9BinLcL5I2nz4i-6_GpCdmS_5oehmEkvuQ/edit?usp=sharing

(There is a clickable link on the course web page as well.)

The written component is due 11 PM Friday, May 12 on Gradescope. It should be in the range 10–30 pages, depending on the amount of content to cover, which in turn should depend on the size of the group. If your group has more than 1 person, you should include in the writeup a section saying what each person in the group contributed to the project.

The project is worth 35% of your grade for the class. In most cases, 30% of the grade for the project will be based on the oral presentation and 70% is based on the written presentation. My expectation is that grades for the project will in most cases be the same among everyone in the group, but in case one part is substantially better or worse than the rest, I could possibly give a different grade to members of the same group.

Important: The projects will be posted on ELMS for all the students to see. If you do *not* want your project posted, please let me know by e-mail when you submit your written project. Also, please do not share the projects outside the class without permission of the author.