This is the suggested format for the final exam. Questions 1-3 are open-book, question 4 is bring-your-book-with-you-just-in-case. This format worked well in previous years. If you would prefer to be evaluated differently, discuss it with others and let me know.

**Question 1 (50 pts.)**

Solve this problem (from Merzbacher Chapters 7, not assigned as homework). Assigned on Friday 12/08, due by oral exam day or Wednesday 12/14 (whichever comes first).

**Question 2 (50 pts.)**

Solve this problem (from Merzbacher Chapter 8, not assigned as homework). Assigned on Friday 12/08, due by oral exam day or Wednesday 12/14 (whichever comes first).

**Question 3 (50 pts.)**

Select a QM topic (preferably related to your research), get it approved by Thu 11/10, write a report and be ready to discuss it. Due by oral exam day or Wednesday 12/14 (whichever comes first).

**Question 4 (50 pts.)**

Open-ended discussion of a general topic from 651 chosen by instructor during oral exam.

By general topic, I have in mind something that runs through the different chapters like quantization, symmetry, boundary conditions, approximation methods, etc.