

Materials are from the University of Colorado, Boulder last updated in 2023.

We have a 2-semester junior-level quantum sequence, and have been using McIntyre's Quantum Mechanics textbook for many years now. His text follows a "spins first" approach.

Quantum 1 teaching materials (1<sup>st</sup> half of McIntyre) are available through Physport:  
<https://www.physport.org/curricula/ACEQM/>

Here you will find CU Materials for both QM1 and Q2, which covers most of the Quantum textbook of McIntyre. Material downloads are separate.

Steven Pollock taught both courses twice, that is the source of these materials. Bethany Wilcox followed in QM2, her materials are included (minor modifications, including converting homeworks and exams to Latex, and cleaning up numerous font and other issues in the lecture slides)

Materials from QM1 have been part of PER research projects, see <https://www.physport.org/curricula/ACEQM/> for more information. The QM2 materials are (largely) **NOT** "PER research-validated", these are just my (first pass) materials teaching the second half of this course.

Feel free to use whatever is helpful, give credit if you copy materials, don't use them for commercial purposes, and try to keep materials and solutions to homework and exam questions off the open web as best you can. Modify materials to minimize students' internet hunting of solutions!

If you find significant errors or broken files, please feel free to let me know (and teach me some quantum mechanics!)

If you create fresh materials that you believe should be shared more widely feel free to let me know, perhaps we can add them to this archive, which I make freely available to physics faculty who ask....

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