

This folder contains materials from PHYS 1230, Light and Color, as taught by Bethany Wilcox in 2019, and again in 2024. Light and Color is a large (>100 student) lecture course, meeting 2x/week\*75 minutes for a semester. It is targeted at non-science majors, and has no prerequisites. It uses a free OpenStax textbook.

Materials were inspired in part by an earlier course transformation done at CU Boulder from 2010-2017 by Stephanie Chasteen, Charles Rogers, Katie Hinko, and Cindy Regal, with contributions from other instructors.

This folder contains a syllabus, learning goals, class activities, sample exams and homeworks, and lecture slides with concept (“clicker”) questions. This set of materials is (largely) NOT “PER research-validated”, these are just materials we are sharing (although there is e.g. ongoing PER research at CUB on the use of Photovoice)

Feel free to use whatever is helpful for your students. Please give credit if you copy materials, don't use them for commercial purposes. Modify materials to minimize students' internet hunting of solutions!

**Please do not post any of our exams nor any of our solutions to homeworks, nor distribute them to students** – personalize them and use your own versions. Thanks!

If you find significant errors or broken files, please feel free to let us know. 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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