Color Knowledge

You should now be able to:

[1] know the difference between "additive" and "subtractive" operations on light. [Why is the word "mixing" confusing when dealing with subtraction?]

[2] read wavelength values off of a graph for a filter and make a good guess about what color the filter is. [This exercise of going back and forth between the psychological experience of color and the physical wavelengths emphasizes both the differences between wavelength and color, and their relatedness]

[3] make a good guess at a color from rgb values on the computer

[4] judge what wavelengths are absorbed by a filter and what wavelengths (and how much) get through a filter

[5] Understand the difference between wavelength and color --- and some of their relations

[6] Know the similarities and differences between coloring from material surfaces (e.g your clothes, the walls, the floor) and colored filters.

[7] What color will emerge from a purple filter if red light is shined through it?

[8] What color will a purple sweater look if a red light is shined on it? How are these the same question?

[9] Notice the color of the curtain at Cinestudio. What color is it?

[10] How much of this did you know before the course began?