The Physics (and Fun) of Light and Color

(Physics 153)

Professor:

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General website: http://materialscience.uoregon.edu/taylor/taylor.html

Course website: http://materialscience.uoregon.edu/taylor/teaching/phys153.html

Class:

16 Pacific Hall, Tuesday and Thursday at 12.00-1.50pm

Office hours:

Wednesday 2:00-4:00 p.m.

(these are the times when I am guaranteed to be available. You can also try my office at other times or pre-arrange a meeting)

Teaching assistant:

To be arranged!

Text books:

Recommended: "Seeing the Light" by D. Falk, D. Brill and D. Stork, Published: Wiley
Others books of interest:
"Light Science" by T. Rossing and C. Chiaverina, Published: Springer
"Light and Color" by R. Overheim and D. Wagner, Published: Wiley

Syllabus
What is light? ö the basic wonders and properties of light
Making use of light - mirrors and lenses found in optical devices, art and nature
The camera and photography
The human eye and vision (producing and processing the image)

Color

Grading:
2 Mid-term exams (20% each) + final exam (20%) + homeworks (40%)

Homework: set each Thursday, collected the following Thursday.