

Optical Sciences 205 Optics of Photography and Videography

Instructor:

Lars R. Furenlid

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Office hours: Th 2:00 – 3:00 PM Meinel 433 or by appointment;

Meeting times:

Lectures: TTh 12:30 - 1:45 in Meinel 307;

There will be a few additional assignments/meetings at the Center for Creative Photography on campus with dates and times to be arranged (as guided by UA policies).

Prerequisites: Basic mathematics including College algebra, trigonometry, and geometry. Freshman chemistry and physics helpful.

Course objectives: Provide broad synthesis of the optical principles and history underlying modern digital photography and videography. Impart an understanding of the technical side of images with high visual impact.

Course materials:

Selected references and reading assignments will be made available via the course d2l website. Links to other materials will be pointed out during lecture

Webpage: [d2l](#)

Assignments and evaluation:

Homework/assignments: Approximately every other week – some will involve materials at the Center for Creative Photography

(Homework due ~ten days after it is assigned unless otherwise announced.)

Two midterm exams

Final exam at time of scheduled course final in official UA academic calendar

Course grade will give equal weight to homeworks/assignments, midterms and final

There will be opportunities for bonus points announced during selected lectures

Strict adherence to the student code of conduct is required.

- Students **may** consult with each other **on methods** for homework problems, but each must turn in an independent solution or assignment product for each problem.
- Students **may not** communicate with each other **in any way** on mid-terms or final exam, whether in-class or take-home
- Plagiarism will lead to failing grade.