

Calendar

aam, 16 January 2007 (created 13 January 2007)

We will spend three weeks on a lightning historical overview of classical theories of light. We will next study technological applications and then move on to modern theories of light and technological and further scientific applications.

no tags

[The dates of topics may vary; major assignment and exam dates are fixed.]

Date		Topic	Assignment Due
Week 1	Jan. 17, W	Course Setting	None
Week 2	Jan. 22, M	Atomists v. Plato	Reading 1, Labs 1
	Jan. 24, W	Optics in Arab World, 700-1100	Reading 2
Week 3	Jan. 29, M	Newton's Opticks, Descartes	Reading 3 & Lab 2
	Jan. 31, W	Helmholtz, Maxwell, Hering & Color	TBA
Week 4	Feb. 5, M	Young, Newton & Waves	TBA
	Feb. 7, W	Maxwell & Hertz & Marconi	TBA
Week 5	Feb. 12, M	Mirrors & lenses	TBA
	Feb. 14, W	Mirrors & lenses	TBA
Week 6	Feb. 19, M	The Eye	TBA
	Feb. 21, W	Color mixing	TBA
Week 7	Feb. 26, M	Color Perception	TBA
	Feb. 28, W	Color & Art	Project Proposal Due
Week 8	Mar. 5, M	Electromagnetic spectrum	TBA
	Mar. 7, W	MIDTERM EXAM	
SPRING BREAK			
Week 9	Mar. 19, M	Atmospheric Visual Effects	TBA
	Mar. 21, W	Polarization	TBA
Week 10	Mar. 26, M	Interference & Diffraction	TBA
	Mar. 28, W	Spy satellites	TBA
Week 11	Apr. 2, M	Photons	TBA
	Apr. 4, W	Photons & Photography	TBA
Week 12	Apr. 9, M	Display Technologies: Big Screens	TBA
	Apr. 11, W	The Ether & Relativity	First Draft Due
Week 13	Apr. 16, M	Relativity	TBA
	Apr. 18, W	Astronomy	TBA
Week 14	Apr. 23, M	Astronomy & CMB & Lensing [Cosmologist]	TBA
	Apr. 25, W	Quantum communication	TBA
Week 15	Apr. 30, M	Catching up	(none)
	May 2, W	NO CLASS	Final Project Due

FINAL EXAM: 5:00-7:00 PM, Tuesday, May 8, in Room 106