Perception: Vision & Brain

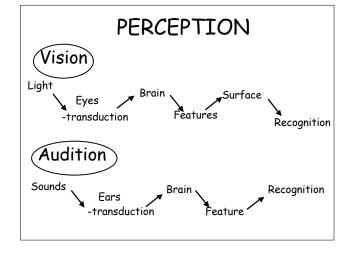
GL/Psyc/Nats 3690.E

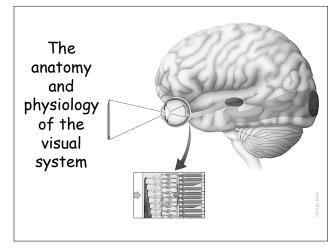
Professor Josée Rivest

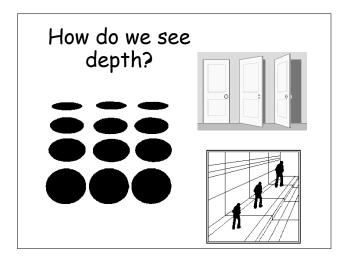
Course information

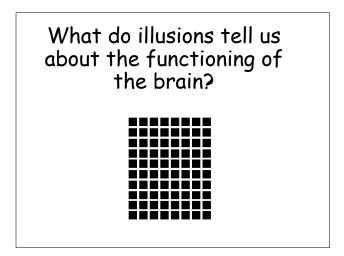
http://www.yorku.ca/jrivest/

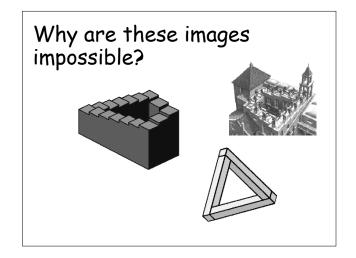
Perception

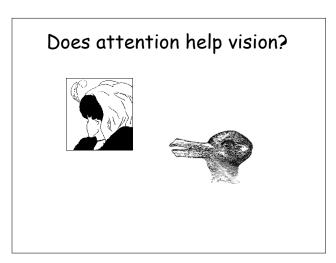


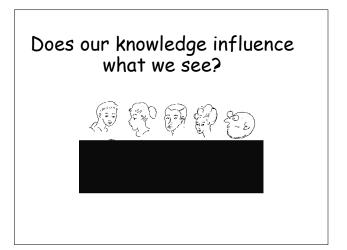


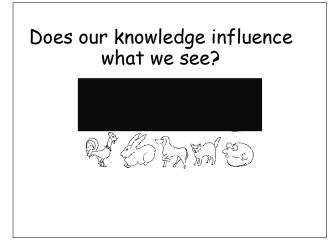








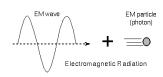




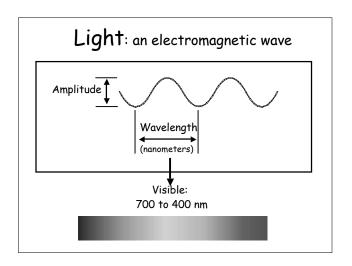


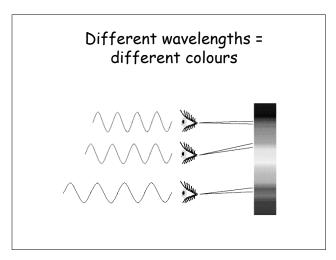
Light

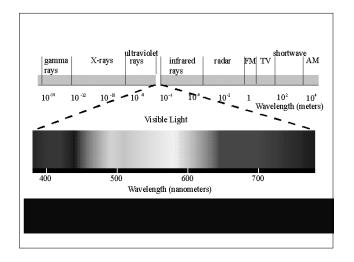
- \cdot electromagnetic radiation
- photons

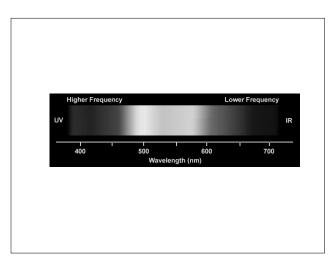


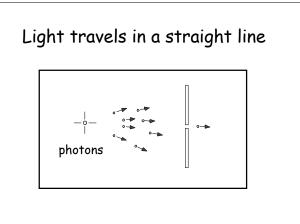
· amplitude, wavelength & complexity

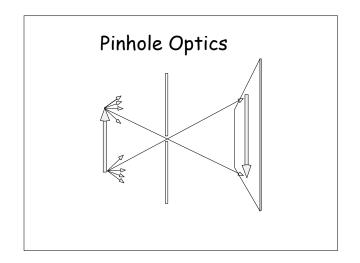








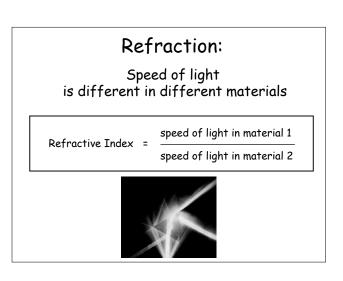


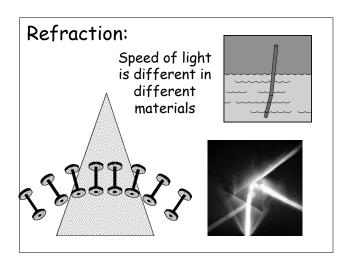


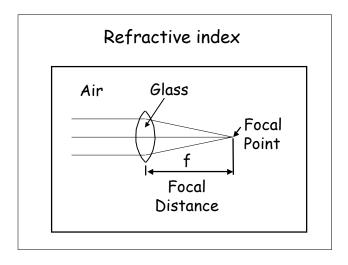
Properties of Light

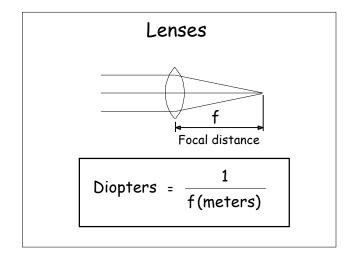
- Transparent & translucent media
 - absorption ...more for longer wavelength
 - diffraction ...more for shorter wavelength
- refraction
 Opaque media

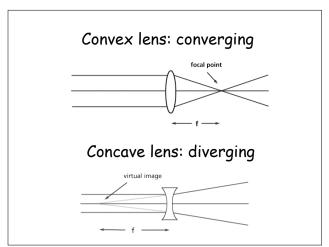
 - absorption & reflection

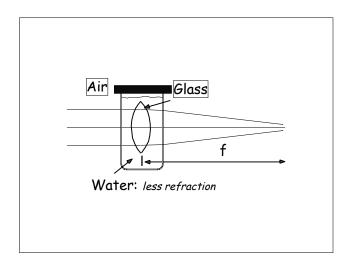


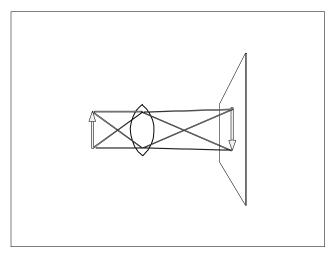


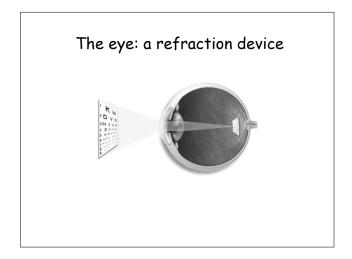












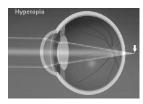
Problems of Accomodation

- Hypermetropia (hyperopia) —farsightedness
- - > 45 years old: presbyopia
- Myopia—nearsightedness



Problems of accomodation

Farsightedness: Hypermetropia



Nearsightedness: Myopia



Properties of Light

- · Transparent & translucent media
 - absorption ...more for longer wavelength
 - diffraction ...more for shorter wavelength
- refraction
 Opaque media
 - absorption & reflection