Astro/EPS 12 - The Planets - Summer 2009

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Office Hours: Thursday 3:30-4:00
(or by appointment)

Week 1
July 7
• Introduction
  Rotating, Spherical
• Orbital Motion
• Angular Measure

July 8
• a brief History of the Solar System and stars
• Planetary Motion

July 9
RADIATION 1:
• waves of light
• electromagnetic spectrum

Week 2
July 14
Radiation 2:
• Thermal Radiation
• Blackbody Temperature

July 15
Spectroscopy 1
Matter & Light
• atoms
• photoelectric effect

July 16
Spectroscopy 2
• absorption & emission

Week 3
July 21
Overview of the
The Solar System
with Telescopes
• Planet taxonomy

July 22
The Solar System
• layout
• angular momentum

July 23
Exam #1

Week 4
July 28
Terrestrial Planets
Earth
Moon, Mercury, Mars

July 29
Giant Planets
Jupiter
Saturn

July 30
Mars, Venus
August 3
August 4
Uranus and Neptune

Week 5
August 5
August 10
August 11

Debris & Formation
Comets, Asteroids, & beyond Neptune
Planets and Planetary Systems
some review

Week 6
August 12
Exam #2
Grading Pie

Exam 2 30%
Exam 1 20%
Homework 20%
Quizzes 15%
Project 15%