

Physics 174
Lecture Outline for Exam III

13 April, 2007

Lectures as given

Lect.	Date	Topic	Material covered (see outline below)
28	2 Apr	III.09	3.3.
29	4 Apr	III.10	3.4.1. 3.4.2.
30	6 Apr	III.11	3.4.3. 3.4.4.
31	9 Apr	III.12	3.5.1. 3.5.2.
32	11 Apr	III.13	3.5.3. 3.5.4.
33	13 Apr	III.14	3.5.4. 3.5.5. 3.5.6.
34	16 Apr	III.15	3.5.7. 3.6.
35	18 Apr	III.16	3.7.
36	20 Apr	III.17	review
37	23 Apr	Exam 3	

Outline

3. Modern Planetary Astronomy

3.3. Asteroids

1. The Bode-Titius Relation
2. Discoveries
3. Locations of asteroids
4. Kirkwood Gaps
5. Impacts
6. Types of asteroids
7. Asteroids up close

3.4. The jovian worlds

1. Overview
2. Atmospheres
3. Internal structure
4. Ring systems

3.5. The small outer worlds

1. Overview
2. The Galilean System
3. The other moons of Jupiter
4. The moons of Saturn
5. The moons of Uranus
6. The moons of Neptune
7. Trans-Neptunian Objects

3.6. The outer Solar System

1. Comets
2. The Oort Cloud
3. Meteors

3.7. Formation of the Solar System

1. Three major models
2. The accretion model
3. Observational evidence
4. Composition and mass
5. The Galilean System
6. Other moon systems