

"The whole of science is nothing more than a refinement of everyday thinking."
Albert Einstein, 1936

ASTRONOMY 1010 –Astronomy of the Solar System

SYLLABUS - Fall 2009

Professor Information:

Name: JP Caillault
Office: 237 Physics
Office Hours: W 10-11, TR 11-12
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Course Information:

Required Textbook: *Universe: The Solar System*, 3rd ed. (Freedman and Kaufmann)

Website: www.physast.uga.edu/~jpc/ast1010.html

Homework: Will be assigned for each class period, but will not be collected or graded. However, a substantial fraction of the exam questions may be similar to, or taken directly from, the homework.

Exams: Three in-class exams (22% each) plus the final, cumulative exam (34%) will completely determine your grade in the course.

Grades: Your *letter grade* will be assigned as follows:

A ≥ 93
93 > A- ≥ 90
90 > B+ ≥ 87
87 > B ≥ 83
83 > B- ≥ 80
80 > C+ ≥ 77
77 > C ≥ 73
73 > C- ≥ 70
70 > D ≥ 60
60 > F

Tentative Class Schedule:

Day	Date	Chapter	Topic
T	Aug. 18	1	Intro/Astronomy and the Universe
RT	Aug. 20, 25	2	Knowing the Heavens
R	Aug. 27	3	Eclipses and the Motion of the Moon
TR	Sept. 1, 3	4	Gravitation and the Waltz of the Planets
T	Sept. 8	1-4	Review

EXAM I Thursday, September 10 Chapters 1-4

TR	Sept. 15, 17	5	The Nature of Light
TR	Sept. 22, 24	6	Optics and Telescopes
TR	Sept. 29, Oct. 1	7	Our Solar System
T	Oct. 6	8	The Origin of Our Solar System

Wednesday, October 7
**EXAM II Thursday, October 8 *Optional Review*
 Chapters 5-8**

T	Oct. 13	9	The Living Earth
R	Oct. 15	10	Our Barren Moon
TRT	Oct. 20, 22, 27	11	Mercury, Venus, and Mars
RT	Oct. 29, Nov. 3	12	Jupiter and Saturn

Wednesday, November 4
**EXAM III Thursday, November 5 *Optional Review*
 Chapters 9-12**

T	Nov. 10	13	Jupiter and Saturn's Satellites of Fire and Ice
R	Nov. 12	14	Uranus, Neptune, Pluto, and the Kuiper Belt
T	Nov. 17	15	Vagabonds of the Solar System
RT	Nov. 19, Dec. 1	16	Our Star, the Sun
R	Dec. 3	28	The Search for Extraterrestrial Life

Monday, December 14
**FINAL Tuesday, December 15 (12-3 PM) *Optional Review*
 Chapters 1-16, 28**
