

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

ASTRONOMY 1020 – Stellar and Galactic Astronomy

SYLLABUS - Fall 2009

Professor Information:

Name: JP Caillault
Office: 237 Physics
Office Hours: W 10-11, TR 11-12
Phone: 542-2883
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Course Information:

Required Textbook: *Universe: Stars and Galaxies*, 3rd ed. (Freedman and Kaufmann)

Website: www.physast.uga.edu/~jpc/ast1020.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	Introduction / Astronomy and the Universe
RT	Aug. 20, 25	4	Gravitation and the Waltz of the Planets
RT	Aug. 27, Sept. 1	5	The Nature of Light
RT	Sept. 3, 8	6	Optics and Telescopes
R	Sept. 10	1, 4-6	Review

EXAM I Tuesday, September 15 Chapters 1, 4-6

RT	Sept. 17, 22	16	Our Star, the Sun
RT	Sept. 24, 29	17	The Nature of the Stars
R	Oct. 1	18	The Birth of Stars
TR	Oct. 6, 8	19	Stellar Evolution: On and After the MS

Monday, October 12 *Optional Review*
EXAM II Tuesday, October 13 Chapters 16-19

RT	Oct. 15, 20	20	Stellar Evolution: The Deaths of Stars
R	Oct. 22	21	Neutron Stars
TR	Oct. 27, 29	22	Black Holes
TR	Nov. 3, 5	23	Our Galaxy

Monday, November 9 *Optional Review*
EXAM III Tuesday, November 10 Chapters 20-23

R	Nov. 12	24	Galaxies
T	Nov. 17	25	Quasars and Active Galaxies
RT	Nov. 19, Dec. 1	26	Origin & Evolution of the Universe
R	Dec. 3	27	Exploring the Early Universe

Monday, December 14 *Optional Review*
FINAL Tuesday, December 15 (8-11 AM) Chapters 1, 4-6, 16-27
