

**PHYSICS 3161: Astrophysics II
Galaxies and Cosmology**

Fall Semester 2009

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TEXT:

An Introduction to Galaxies and Cosmology, by Mark H. Jones and Robert J. A. Lambourne

GRADING:

| | |
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| Homework: | 30% |
| Exam 1: Thursday, October 15, 11:00 – 12:15 pm | 35% |
| Exam 2: Tuesday, December 15, 11:30 – 2:30 pm | 35% |

HOMEWORK: You will be given a list of homework problems approximately weekly. You will turn in your solutions to the homework problems to be graded. The average of the homework grades will comprise 30% of your grade in the class.

EXAMS: You will have two exams during the course. One will be given in class during the middle of the semester, and the other will be given during the final exam time. If you must be absent on the day of an exam, see me prior to the exam so that we can make arrangements for you to take the exam early. I do not give make-up exams.

You must do your own work on the homework and exams. Failure to do so will be a violation of the Code of Academic Integrity and will likely result in an F in the course.

All UNC Charlotte students have the responsibility to be familiar with and to observe the requirements of The UNC Charlotte Code of Student Academic Integrity (see the Catalog). This Code forbids cheating, fabrication or falsification of information, multiple submission of academic work, plagiarism, abuse of academic materials (such as Library books on reserve), and complicity in academic dishonesty (helping others to violate the Code). Any further specific requirements or permission regarding academic integrity in this course will be stated by the instructor, and are also binding on the students in this course. Students who violate the Code can be punished to the extent of being permanently expelled from UNC Charlotte and having this fact recorded on their official transcripts. The normal penalty is zero credit on the work involving dishonesty and further substantial reduction of the course grade. In almost all cases, the course grade is reduced to "F." If you do not have a copy of the Code, you can obtain one from the Dean of Students Office or access it online at <http://www.legal.uncc.edu/policies/ps-105.html>. Standards of academic integrity will be enforced in this course. Students are expected to report cases of academic dishonesty they become aware of to the course instructor who is responsible for dealing with them.

Academic honesty and integrity are essential to the existence and growth of an academic community. Without maintenance of high standards of honesty, members of the instructional faculty are defrauded, students are unfairly treated, and society itself is poorly served. Maintaining the academic standards of honesty and integrity is ultimately the formal responsibility of the instructional faculty; and this responsibility is shared by all members of the academic community.

PHYS 3161 – Astrophysics II

Tentative Schedule

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|------------------|-------------------|--------------------|------------------------------|
| Part 1: Galaxies | T | August 25 | Chapter 1 |
| | R | August 27 | Chapter 1 |
| | T | September 1 | Chapter 1 |
| | R | September 3 | Chapters 1 and 2 |
| | T | September 8 | Chapter 2 |
| | R | September 10 | Chapter 2 |
| | T | September 15 | Chapter 2 |
| | R | September 17 | Chapter 3 |
| | T | September 22 | Chapter 3 |
| | R | September 24 | Chapter 3 |
| | T | September 29 | Chapters 3 and 4 |
| | R | October 1 | Chapter 4 |
| | T | October 6 | Chapter 4 |
| | R | October 8 | Chapter 4 |
| | T | October 13 | FALL BREAK |
| | R | October 15 | EXAM 1 (Chapters 1-4) |
| | Part 2: Cosmology | T | October 20 |
| R | | October 22 | Chapter 5 |
| T | | October 27 | Chapter 5 |
| R | | October 29 | Chapters 5 and 6 |
| T | | November 3 | Chapter 6 |
| R | | November 5 | Chapter 6 |
| T | | November 10 | Chapter 6 |
| R | | November 12 | Chapter 7 |
| T | | November 17 | Chapter 7 |
| R | | November 19 | Chapter 7 |
| T | | November 24 | Chapters 7 and 8 |
| R | | November 26 | THANKSGIVING |
| T | | December 1 | Chapter 8 |
| R | | December 3 | Chapter 8 |
| T | | December 8 | Chapter 8 |
| T | | December 15 | EXAM 2 (Chapters 5-8) |