

Syllabus Phys 191

7/29//2003

Descriptive Astronomy, Fall 2003, Prof. Mick O'Shea

My office: Cardwell 331

E-mail: mjoshea@phys.ksu.edu

Office hours: Tues, Thurs 2:00-3:20 or by appointment.

Class meets: Mon, Wed, Fri, 9:30 – 10:20 a.m. in Cardwell 102.

Textbook: *Universe, 6th Edition, (with CD disc)* Freedman and Kaufmann, W. H. Freeman, 2002

Homepage: <http://www.online.ksu.edu> (you must log on to get the class materials, see below).

Course Goals:

1. To foster an appreciation of the scientific method.
2. To impart the important ideas of astronomy.
3. To encourage critical examination of scientific models.

K-State Online: You will need to log on to K-State Online to get access to course materials (lecture notes, homework solutions, old exams), and the on-line grade-book. The system will not allow you to view class materials if you are not enrolled in this class. To log on go to <http://www.online.ksu.edu>. K-State Online now requires your K-State eID and password to log in. If you do not yet have a K-State eID there are instructions at the website on how to obtain one. **Do NOT forget your login ID and your password when you finish!** If you have any problems, contact the K-State Online Technical Support (see webpage).

Personal Response System: During the semester, we will be using an electronic data collection device called 'PRS (personal response system)'. This system allows me to transmit tasks to individuals for completion. Each student will have an assigned PRS device identified by its number. At the start of class each student should pick up a PRS transmitter and return them at the end of class.

Homework(HW): See other side of syllabus for homework assignments. Due by **9:30 a.m.** in class on the date given. Do **NOT** attempt to do all the HW just before it is due – work on each HW problem after you finish the material related to it. Write legibly – if your HW is **ILLEGIBLE** it will not be graded. There are 8 HWs assigned. I will choose the **best 7** of these to calculate your homework grade. Most of the HW consists of a review of the chapter material. The answers or method of solution to these questions are given in the chapter. HW solutions will be posted on K-State Online. Feel free to discuss the homework in groups. Once you begin writing out the homework answers you **MUST** work alone.

Reviewing for Exams: When you review for the exam, read each chapter covered. A good guide as to whether you understand the chapter material is to look at the '**REVIEW QUESTIONS**' at the end of each chapter and make sure you can answer them. Also review all the lecture notes, questions discussed in class, and HW.

Exams: There are four in-class exams each lasting 45 minute and one final exam lasting 1 hour 50 minutes. No books or notes may be used in the exams. Please look at the **SEAT CHART** for your seat number when you enter the room on exam day. Each exam will be a mix of multiple choice questions and short answer questions (some of which will be numerical problems). You may **DROP ONE** of the 45 minute exams. The exam schedule is given overleaf. Note that 15% of the final will cover Chapter 28 since this material is not covered on any earlier exam. Solutions to exams will be posted after each exam on K-State Online.

Observation sessions. I will have one or two optional evening observation sessions. Their times will be announced in class.

Honesty: Plagiarism and cheating are serious offenses and may be punished by failure on the exam, paper or project; failure in the course; and/or expulsion from the University. For more information refer to the “Academic Dishonesty” policy in K-State Undergraduate Catalog and the Undergraduate Honor System Policy on the Provost’s web page at <http://www.ksu.edu/honor>

| Date | Chapter | Homework -due date. Exam coverage |
|---------|---------------|--------------------------------------|
| Aug. 20 | 1 | |
| 22 | 1-2 | |
| M 25 | 2 | |
| 27 | 3 | 1- 6,11,23 2- 6,10,28 |
| 29 | 3 | |
| M.Sep1 | LaborDay | No class |
| 3 | 3 | |
| 5 | 4 | |
| M. 8 | 4 | |
| 10 | 4 and review | 3-2,23,29 4-5,33,39 |
| 12 | Exam 1 | (Exam: Ch. 1,2,3,4) |
| M. 15 | 5 | |
| 17 | 5 | |
| 19 | 5-6 | |
| M. 22 | 6 | |
| 24 | 6-7 | 5-5,11,21 6- 8,13,27 |
| 26 | 7 | |
| M. 29 | 7 | |
| Oct. 1 | 8 | |
| 3 | 8 | |
| M. 6 | 8 | |
| 8 | 18 and Review | 7- 1,2,22 8-5,6,25 |
| 10 | Exam 2 | (Exam: Ch. 5,6,7,8) |
| M. 13 | Fall Break | No class |
| 15 | 18 | |

| | Chapter | |
|-----------------------------|--------------------------------|--|
| Oct. 17 | 18-19 | |
| M 20 | 19 | |
| 22 | 19-20 | 18-1,6,10 19-2,13,17 |
| 24 | 20 | |
| M 27 | 20 | |
| 29 | 21 | |
| 31 | 21 | |
| M Nov3 | 21 | |
| 5 | 22 and review | 20- 2,5,11 21-3,7,13 |
| 7 | Exam 3 | (Exam: Ch. 18,19,20,21) |
| M 10 | 22 | |
| 12 | 22 | |
| 14 | 24 | |
| M 17 | 24 | |
| 19 | 25 | 22- 3,5,12 24-1,5,8 |
| 21 | 25 | |
| M 24 | 26 | |
| 26 | Thanks-giving | No Class |
| 28 | | No Class |
| M Dec.1 | 26 | |
| 3 | 28 and Review | 25-2,4,7 26-2,10,16 |
| 5 | Exam 4 | (Exam: Ch. 22,24,25,26) |
| M 8 | 28 | |
| 10 | 28 and review | |
| Thurs. Dec.18 th | Final exam 11:50-1:40pm | All materials above. (15% on Chap.28) |

GRADING

| | Worth(%) |
|--------------------------|----------|
| 45 minute Exams (best 3) | 3 x 15 |
| Homework(best 7) | 25 |
| Final Exam | 30 |
| Total | 100 |

FINAL GRADE

| Grade | Score (%) |
|-------|--------------|
| A | 90-100 |
| B | 80-89.9 |
| C | 70-79.9 |
| D | 60-69.9 |
| F | Less than 60 |

Disabilities: If you have any condition such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it or which will require academic accommodations, please notify me and contact the Disabled Students Office (Holton 202), in the first two weeks of the course.