

# ASTRONOMY I-1

## Course Description and Syllabus

This course is a quantitative and qualitative study of the principles, processes and laws which govern the Universe. This course includes laboratory and observational activities consistent with modern astronomical research. It is a one semester course which partially satisfies the University of California “g” requirement for College Preparatory Electives.

### Some of what we plan to study:

- |                               |                                    |
|-------------------------------|------------------------------------|
| 1. The Scale of the Cosmos    | 5. Stellar Evolution               |
| 2. What We See in the Sky     | 6. Galaxies                        |
| 3. The Copernican Revolution  | 7. Cosmology                       |
| 4. Stars and Their Properties | 8. Modern Observational Techniques |

**Our text** is Foundations of Astronomy by Michael Seeds, seventh edition, 2003  
Brooks/Cole division of Thompson Learning, Publishers.

- Grading criteria:**
- Homework, notes, quizzes, and participation ~ 30%
  - Laboratory and observational projects ~ 20%
  - Tests ~ 30%
  - Final Examination ~ 20%

**It is therefore very important to attend all classes or to promptly make up work for any classes missed.**

Grading uses this scale:

- 90 - 100 = A
- 80 - 89 = B
- 70 - 79 = C
- 60 - 69 = D
- below 60 = F

I am available after 3:00 pm to help students. I am available at other times by appointment.  
**Arrange all make-up work with me if you miss any assignments.**

**Citizenship: Every student is to be ready to learn:**

**Bring pencil, paper, notebook, and textbook to class every day unless told otherwise. *You will need a scientific or a graphing calculator.***

**Participate in all class activities.**

**Respect all of the rights of all others at all times. Never disrupt the class. Obey school rules.**

I have read and understand this syllabus.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date