

Astronomy 102 6T : Astronomy of Stellar Systems

Sun 5:30 – 9:40 :: 301 Campbell Hall

Required Text: *Astronomy: Earth to Universe 6th* Pasachoff

Instructor: Dr. Robert Mohr : rmohr@uab.edu : 382 CH : 205-934-8107

Office Hours: MTWR 1:30 – 3:00; or by appt.

This is an introductory astronomy course that focuses on the formation and evolution stars, both individually and in groups. Major topics include the our sun, fusion, variable stars, binary stars, supernovae and their remnants, clusters, and galaxies. The main purpose of this course is to acquaint the student with the scientific thought process, and then apply that process to the study of how both single stars as well as groups of stars form, evolve, interact, and eventually die out. At the end of the semester, the student should be able to discuss various processes that contribute to the understanding of why stars form, expel energy, and die out.

There will be three homework assignments this semester, each one consisting of two questions that should be at least one half page each and at most one page each. For full credit homework papers should either be legible or typed. Homework assignments will be due the Sunday following when they are assigned.

There will be five quizzes this semester, each one consisting of ten short answer questions. You will have a time of 30 minutes for each quiz.

The final examination will be cumulative. There will be 15 short answer questions and one discussion question. Each short answer question will be worth 5 points and the discussion question will be worth 25 points. All quizzes are tentatively scheduled for the days shown below.

Any make-up will be determined on a case by case basis.

Your grade will be determined as follows:

Homework: 30% of overall grade

Quiz: 40% of overall grade ::::::::::: Final Exam: 30% of overall grade

Tentatively, the following averages will result in the indicated grade:

89.5 - 100: A	79.5 - 89.4: B	69.5 - 79.4: C
	59.5 - 69.4: D	Below 59.5: F

These scales are not completely rigid but extenuating circumstances must be present for deviation. Attendance is not required; however, a valid excuse is needed in order to make up a missed quiz or late homework.

Below is a tentative schedule of material to be covered as well as homework assignments and quizzes:

June 4:	Chapter 1-4	
June 11:	Chapter 22-23	Quiz One
June 18:	Chapter 24-26	Homework One
June 25:	Chapter 27-28	Quiz Two
July 2:	Chapter 29-31	Quiz Three
July 9:	Chapter 32-33	Homework Two
July 16:	Chapter 34-35	Quiz Four
July 23:	Chapter 36	Homework Three
July 30:	Review for Final	Quiz Five
Final Examination:	Sunday August 6	5:30 – 8:00