INSTRUCTOR: Lambert Murray, Ph.D., physics  
Office: Pryor Science Building, Room 144, ext 4520

TEXT: “Discovering the Universe, 8th ed.” Comins and Kaufmann, Freeman

GRADING:  
Grades in Physical Science 113 will be based on percentages. The grading scale will be: 90% and up an A, 80% - 89% B, 70% - 79% C, 60% - 69% D, below 60% F.

MAJOR EXAMS:  
There will be four major exams during the semester each worth 100 points. THERE WILL BE NO MAKE-UP EXAMS GIVEN! If you miss one of these exams (with an EXCUSED absence) the numerical value of your final exam (comprehensive) will be increased by 100 points. A tentative schedule for these exams is as follows: Ex 1 – February 5, Ex2 – March 17, Ex3 – April 9, Ex4 – April 30, Final – Tuesday, May 5 at 10:30.

QUIZZES AND HOMEWORK ASSIGNMENTS:  
Quizzes will normally be given at the beginning of the class period – so don’t be late to class. These quizzes will be over the reading assignment of the day as well as the material covered from the previous class period, or periods. THESE QUIZZES CANNOT BE MADE UP! The two lowest quiz grades will be dropped. Some outside homework questions may be assigned on the web. The overall quiz and homework grade will be worth 200 points.

FINAL EXAM:  
The final exam will be comprehensive and will be worth 200 points, unless you have missed one of the previous hourly exams with an excused absence (see above).

PROJECTS AND EXTRA CREDIT:  

Required Projects  
There will be several required projects assigned. These will be announced later. Each will be worth 20 - 50 points, and is required for completion of the course.

Extra Credit Readings and Projects  
Readings: You may read articles regarding astronomy in magazines, newspapers, etc., but the best source is probably the web. To get credit for these readings you must hand in the original, or a copy of the original, with the key concepts and ideas clearly underlined (or highlighted), along with a ¼ to ½ page typewritten synopsis of the article. (This synopsis should convince me you actually read and understood the article.) Each reading is worth no more than 10 points. I will NOT return these to you, and I will determine if the reading is worth the 10 points. Older articles will receive fewer points than newer articles. The highest points will be received for articles dealing with recent astronomical events or discoveries. To get started, simply do a search on your favorite search engine.

Projects: There may be some extra credit projects which will be made available later in the semester. These will be worth a maximum of 20 points each.

OVERALL GRADE: The overall grade will be determined by taking the total number of points (exam grades, quizzes, and projects) plus the number of points earned on extra credit, and dividing by the total number of possible points (on exams, quizzes, and projects) plus the number of points earned on extra credit. [Note: Extra credit work cannot hurt your grade, but cannot increase your grade by more than a letter grade.]

EXCUSED ABSENCES:  
Whether or not an absence is excused WILL BE DETERMINED BY THE INSTRUCTOR. It is the responsibility of the individual student to make sure whether or not an absence is excused. IF YOU MUST MISS AN EXAM, YOU MUST LET THE INSTRUCTOR KNOW BEFORE THE EXAM IS GIVEN, YOU CAN DO THIS BY SENDING ME AN EMAIL AT LMURRAY@HARDING.EDU.

THE INFORMATION ON THIS SHEET IS TENTATIVE, AND MAY BE REVISED.
**Students with Disabilities:**
It is the policy for Harding University to accommodate students with disabilities, pursuant to federal and state law. Therefore, any student with a documented disability condition (e.g. physical, learning, or psychological) who needs to arrange reasonable accommodations, must contact the instructor and the Disabilities Office at the beginning of each semester. (If the diagnosis of the disability occurs during the academic year, the student must self-identify with the Disabilities Director as soon as possible in order to get academic accommodations in place for the remainder of the semester. The Disabilities Office is located in Room 102 of the Lee Academic Center, telephone (501) 279-4019.)