
Physics 471H

Astrophysics: 1 Credit

Instructor – Dr. Mark Conde



<https://stsci-opo.org/STSci-01G8H1NK4W8CJYHF2DDFD1W0DQ.png>

Overview

Description

This course is a quick survey of topics of interest in astrophysics. The brief 4-week period will limit both the scope and depth of the material covered. Topics to be discussed include:

- Astrophysical Tools
- Stellar Astrophysics
- The Milky Way Galaxy
- The Nature of Galaxies
- Large Scale Structure of the Cosmos (if time permits)

Course goals and student learning outcomes

Upon completion of this course students will:

- Be familiar with a range of topics from astrophysics
- Be able to solve simple quantitative problems relating to these phenomena.

My goal as an instructor is to provide every student with maximum possible opportunity for success. This means that I try to be as flexible as possible with the course requirements, to avoid creating needless hurdles. Nevertheless, some penalties for missed or late work are necessary; my policies in this regard are outlined below.

Instructor information

Instructor: Dr. Mark Conde
Office locations: Reichardt room 110 & 113 and Elvey room 706C.
Office Phone: 474-7741
Email: mgconde@alaska.edu
Office hours: I do not intend to establish fixed office hours for this small class. I will always be available immediately after lectures, or at other times by arrangement. If you need to see me, speak to me after class or send me an email, to setup a time.

Office Manager: Liya Billa: Email: lkbilla@alaska.edu
Office: Reichardt room 102.
Phone: 474-7339

Approximate schedule

<i>Week</i>	<i>Dates</i>	<i>Notes</i>	<i>Lectures</i>	<i>HW Assigned</i>	<i>Hw Due</i>
1	Oct 03 - Oct 07		1-3	1	
2	Oct 10 - Oct 14		4-6	2	1
3	Oct 17 - Oct 21		7-9	3	2
4	Oct 24 - Oct 28	Exam assigned Friday	10-12		3



Is accompanied by **descriptions in words of what you are doing at each step**

Homework will count heavily toward your final grade, as well as provide me with feedback regarding your understanding of the material.

Exams

There will be one take-home final exam. I will distribute the final exam paper at the end of our last lecture, which is on Friday October 28. The exam responses will be due at 6 pm on the following

Course policies

Grading

The course grade will consist of the following components

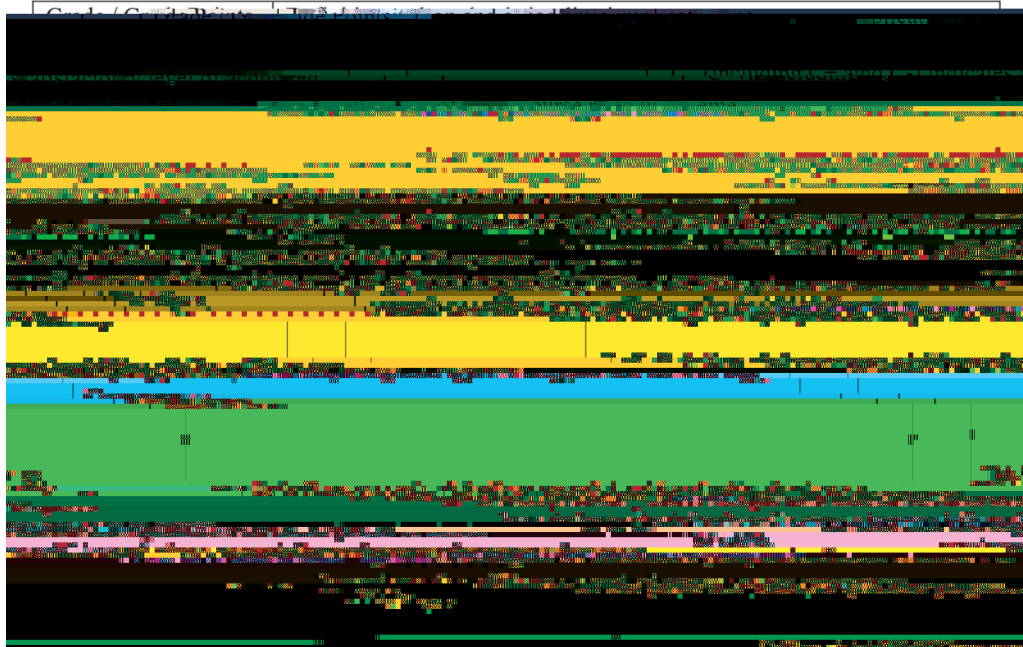
One take-home final exam:	40%
Three homework sets:	60% (20% per set)

I will post all grades online, using the UAF's "Blackboard" system (<http://classes.uaf.edu>). All registered students have access to this system for checking their grades. Please do check that I have posted all your grades correctly, and let me know if you think there is an error. Also, please retain all work returned after grading, in case an error does appear. Returned graded work is proof of your scores.

Final grades will be returned as letter grades with plus/minus modifiers. These will be derived from your overall percentage grade. The approximate conversions for each letter grade will be as follows. A: >90%; B: 75% to 90%; C: 60% to 75%; D: 50% to 60%; F: <50%. Plus/minus modifiers will subdivide each main grade into three equally spaced sub levels.

Consequences of Low Grades

It is important to understand the implications of receiving a letter grade of "C" or below for this course. The following table² describes UAF regulations with regard to grades of 'C' and below:



² Taken from http://www.uaf.edu/files/uafgov/Info-to-Publicize-C_Grading-Policy-UPDATED-May-2013.pdf

Needless to say, a grade of "F" represents a failure. Zero grade points will be awarded, and the course must be re-taken to receive credit.

Support services

Complaints and concerns

You are always welcome to discuss your concerns with me. However, if you have a concern that you feel cannot be resolved by discussion with me, you may wish to contact the Physics Department chair, Dr. Truffer. If your concern cannot be resolved at the department level, you may also discuss the matter with the Dean of the College of Natural Science and Mathematics.

Emergency Notification Plan

Students will receive emergency

" o " k "

#\t@ o #\t@ "

7 "

o y°7 "

v u y u y