Astro 301/ Spring 2005

(46690)

Introduction to Astronomy

Instructor: Professor Shardha Jogee

TAs: Nick Sterling & Nairn Baliber

MWF 12-1 Welch 3.502

Lecture 32,32,34 ; MWF Apr 18,20,22

Lecture 32: Announcements

1) Homework 6 due today at start of class.

2) New homework 7 and articles needed for this homework will be posted on class website today (Mon Apr 25) by 4 pm.

3) Quiz on Wed Apr 13 based on reading assignment
Ch 22, Dark Matter and Fate of Universe (Cosmic Perspectives, 3rd Ed)
Main ideas in "Summary of Key Concepts" at end of chapter.

4) Exam moved to Wed May 4

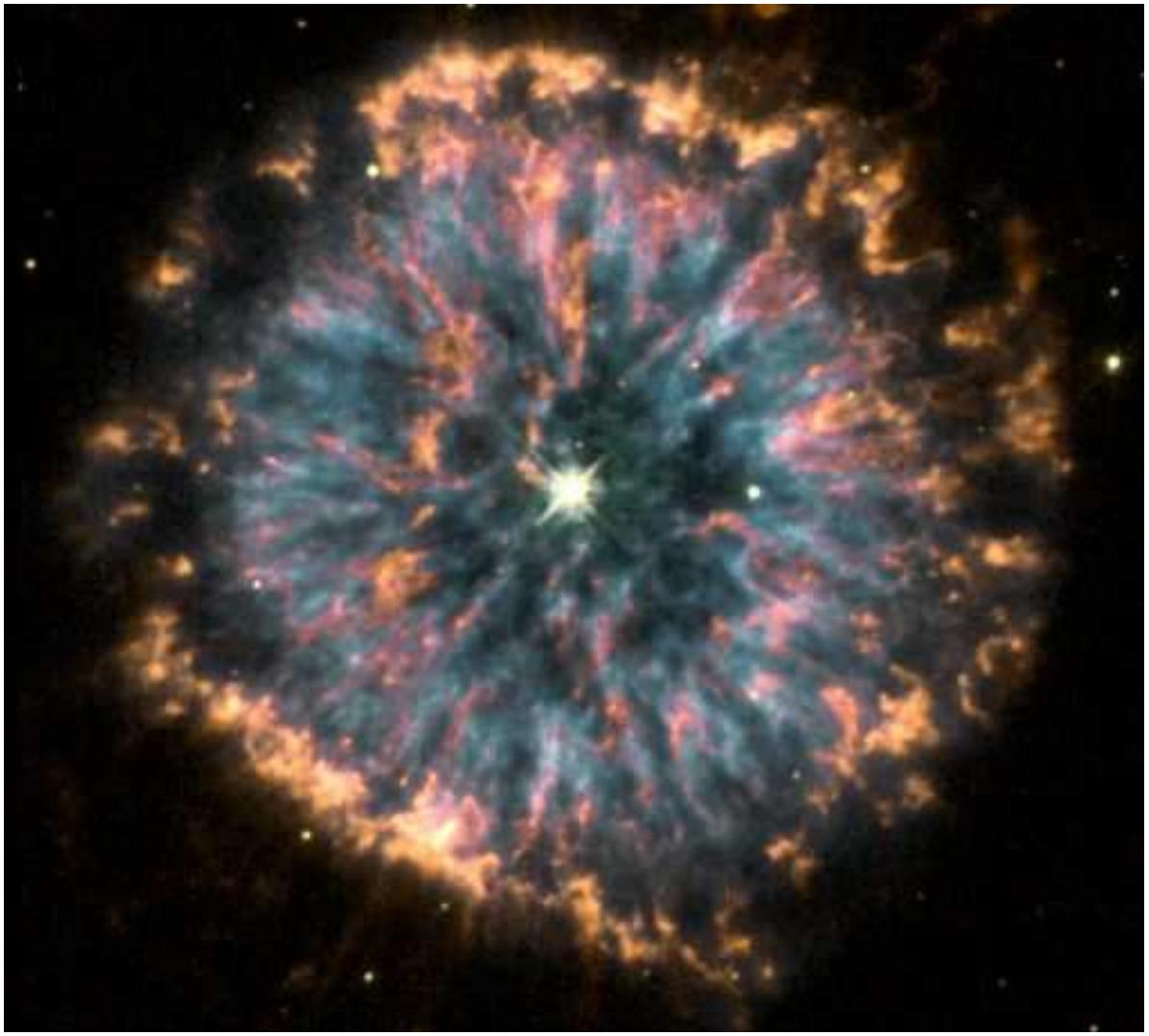
How to improve your grades and get extra credit (EC)?

1) EC: Answer questions in class, give me your name at end of lecture. EC can bump your grade up by up to 10% in final grade.

2) EC: Get certified to use Painter Hall Telescope – see details on class website. Bring me certification note from telescope training staff e.g., Lara Eakins.

3) Homeworks make up 50% of your grade and are based on in-class notes and discussions . Exams are largely based on topics discussed in homeworks. à attend class and get help on hwks before the weekend

Lecture 32: Astronomy Picture of the Day



Celebrating HST's 10th anniversay in Apr 2000 with image of NGC 6751

- à Planetary nebula NGC 6751= hot gas ejected from a star whose mass was between 1 to 8 M_o
- à The white central source is the hot (140,000 K) core left behind, called a white dwarf.
- à Diameter of this planetary nebula is 0.8 lyr or 600 times the size of our solar system
- à Image is color-coded such that blue, orange, and red indicate the hottest to coolest gas.

In-class notes

- Solution for hwk 5