Overview
This lab gives you a chance to collaborate with classmates to develop, and then communicate, a deeper understanding of some specific aspect of the Hubble Space Telescope. You will be taught how to make these recordings during our class session that will meet in the Instructional Technology Center in Stokes Hall.

Instructions
To share your knowledge, you will record a 2-3 minute audio presentation in mp3 format. This recording will be submitted via Moodle. When preparing your presentation, be careful to include both the broad context of your topic and a deep consideration of your topic. For example, if your topic is the Crab Nebula, then you should say what type of nebula the Crab is (a supernova remnant), give some general information about supernova remnants, and discuss specifically what HST revealed to us about the Crab Nebula. Beyond these basic content requirements, you should have fun and be creative.

Once your team has selected a topic, you need to check with me for approval. You also need to turn in a typed page that a) lists all sources of information that you relied on to write your audio presentation, and b) lists the specific contributions of each member of your team to the assignment.

You should use three or more sources of information to learn about your assigned object. You may not use Wikipedia as one of your sources. You may want to use a textbook (Haverford's library has a number of introductory astronomy textbooks) as one of your sources.

Tips
1. Googling the name of your object of interest and HST (and/or your specific topic) will likely lead you to helpful information. The APOD (astronomy picture of the day) and SEDS webpages are good sources of information. Please don’t hesitate to email me to ask whether a source is a good one, and/or to ask for help finding good resources.

2. To get just one example of the length, tone, and content of a successful astronomy podcast, listen to some mp3 episodes of StarDate:

   http://stardate.org/feeds/podcast.xml

Possible Topics (you aren’t required to pick from this list)

Comet Shoemaker-Levy 9 and Jupiter
The Sagittarius Star Cloud
The Eagle Nebula and star formation
The Cat’s Eye Nebula
The Crab Nebula
The Sombrero Galaxy
The Antennae Galaxies
Abell 2218 - gravitational lens
Hubble (Ultra/eXtreme) Deep Field

You can peruse http://hubblesite.org/ or http://www.nasa.gov/mission_pages/hubble/main/index.html for ideas, or draw ideas from what we have been discussing in class.