HOMEWORK #1 (due start of class Friday, January 17) Name _____

LEARNING GOALS:

1. To meet Dr. McCarthy and to become familiar with the requirements for ASTR 337.
2. To become familiar with some useful observing Web sites.
3. To begin your personal journal for recording sky phenomena and your reactions.

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1. Read the course syllabus. Complete the Acknowledgement Form and bring it to Friday's class.

2. Introduce yourself to Dr. McCarthy either in person or via email using "ASTR 337" in the subject line. Briefly describe your home state, hobbies, and explain why you chose to minor in astronomy.

3. Bookmark the following Web site on your computer or mobile device. Use the map feature to "Change your observing location" to the University campus.

http://www.heavens-above.com

4. Install "Stellarium" on your computer or mobile device.

http://www.stellarium.org/

5. Read the following articles about "journaling" and buy a suitable notebook with bound sheets of paper.

http://www.sciencebuddies.org/blog/2010/01/lab-notebooks.php
http://scienceideas.org/journaling-guidelines.html

Samples:
http://upload.wikimedia.org/wikipedia/commons/c/c9/Da_Vinci_Studies_of_Embryos_Luc_Viatour.jpg
http://imageweb-cdn.magnoliasoft.net/britishlibrary/supersize/c13159-27.jpg

6. Begin entries in your personal journal by carefully observing, and recording, the sky both day and night. Include at least these items:

a. Prepare to track the Moon's position throughout the upcoming weeks as it moves by bright stars and constellations. The Moon will be at Third Quarter phase on Jan. 17.

- always include a scale of some sort and direction indicators
- draw how the Moon's appearance changes during the same time.

c. Record the movement of at least one satellite across the sky and estimate its brightness compared to any stars you can see along the satellite's path. The "heavens-above" Web site enables you to predict the passage of satellites.