

Activities: List everything related to this course that you accomplished this week. Look over the goals that you have set. State what you achieved.

This week, I learned:

1. Deductive & inductive logic, the scientific method
2. The basics of astronomy as well as the night sky
3. The history of astronomy, including the amazing discoveries and theories made by the likes of Ptolemy, Galileo, and Newton
4. The derivation for the tidal force between two objects in space
5. How light and waves work
6. Relativity, radiation, and the Doppler effect

Challenges: List any challenges that you faced or difficulties that you had to overcome.

I initially found some of astronomy to be quite challenging as there were many moving parts and terms to memorize and think about, but as we went on, it all started to come together and make more sense, and I feel like I have a much deeper understanding of the night sky as well as some very complex astrophysics topics.

Plans: List what you want to accomplish next week. Be realistic. You are setting your own goals. I want to look into research questions/topics and find a good research topic that I am interested in.

Comments: Let me know of any concerns, issues, observations, or opinions that you may have. This could also be the place where you reflect on your own study. I am really enjoying the program so far and I can't wait to start doing research!