

Tentative Lecture Schedule

Lectures listed in *Italics* should be viewed from online material at:

<http://vw.ess.washington.edu/course/ess102/current/flash/>

prior to lecture.

- 3/31 M: Lecture A – Class Intro
4/2 W: Lecture B – Why Space?
- 4/7 M: Lecture C – Waves and Blackbodies (*Lectures 3a & 3b, Lecture 4a*)
4/9 W: Human vs. Robotic Space Exploration Debate
- 4/14 M: Lecture D – Spectra (*Lecture 4b*)
4/16 W: Lecture E – Light and Atmospheres (*Lecture 5, Lectures 6a & 6b*)
4/18 F: Peer Review of Research Paper (W-credit students only)
- 4/21 M: Lecture F – The Sun and Solar Interior (*Lectures 7a, 7b & 7c, Lecture 8*)
4/23 W: Lecture G – The Solar Atmosphere & Solar Wind (*Lecture 9*)
- 4/28 M: Lecture H – Solar Magnetic Field & Solar Activity (*Lecture 10*)
4/30 W: Lecture I – Magnetospheres (*Lecture 11a, 11b, 11c*)
- 5/5 M: Lecture J - Planetary Science Part 1(*Lecture12a & 12b*)
5/7 W: Lecture K - Planetary Science Part 2 & Asteroids
5/9 F: Peer Review of Sci-Fi story (W-credit students only)
- 5/12 M: Lecture L – Rocket equation/3 different methods (*Lecture13a & 13b*)
5/14 W: Rocket Lab Demo and 3 different methods (cont)
- 5/19 M: Lecture L – Advanced space concepts (*Lecture14*)
5/21 W: Lecture M - Human hazards in Space (*Lecture16*)
- 5/26 M: Holiday
5/28 W: Lecture N – Orbital mechanics (*Lecture15a & 15b*)
- 6/2 M: Next Flagship Mission group discussion
6/4 W: Next Flagship Mission presentations

Reading:

Week 1 – Chapter 1

Week 2 – Chapter 2

Week 3 – Chapters 3 – 4

Week 4 – Chapters 5 – 6

Week 5 – Chapters 9 – 10

Week 6 - Chapters 7 – 8