

**ISP205L**  
**Visions of the Universe Laboratory**  
**Spring 2006 Course Schedule for Section 4 (Thursday)**

<b>Week/Date</b>	<b>Weekly Lab</b> (3:00-4:50 Thursday) In Planetarium except as noted.	<b>Homework.</b> SG = <i>SkyGazer Activities</i> from <i>Astronomy Media Workbook.</i> (due at <i>start</i> of lab session the following week)
1. Jan 12	Introduction. The Celestial Sphere. Directions. Star maps.	SG-1: Introducing SkyGazer (Due week 3)
2. Jan 19	Star motions during the night. The view from different locations on Earth. Finding your latitude.	SG-2: Motions of the Stars SG-3: Celestial Sphere
3. Jan 26	Seasonal motions. Path of the Sun (Analemma, etc.). Seasonal heating.	SG-4: Motions of the Sun. SG-5: Ecliptic, Parts 1-3.
4. Feb 2	Long-term motions (precession). Gyroscopes, etc.	No homework. Study for Quiz.
5. Feb 9	SKY QUIZ + CLICKER QUIZ	SG-8: Precession and Proper Motion.
6. Feb 16	Eclipses.	SG-9: Phases of the Moon
7. Feb 23	Inferior & Superior Planets. Motions of the planets (retrograde, etc.). Models of solar system. Kepler's laws. What defines the best model?	SG-12: The Inferior Planets
8. Mar 2	Parallax as seen in the sky. Outdoors experiment (weather permitting): Measuring parallax.	SG-13: The Superior Planets
9. Mar 16	Scale of the Solar System. How to determine it.	No homework. Study for Quiz.
10. Mar 23	SKY QUIZ + CLICKER QUIZ	SG-14: Observing the Planets
11. Mar 30	Properties of light. Spectroscopy of arc lamps (hands-on lab exercise in PL lobby).	Prepare for computer microlab following week, using material from course website.
12. Apr 6	Age of the Pleiades Star Cluster (in computer Microlab). <b>GO TO 216 BESSEY HALL.</b>	Prepare for computer microlab following week, using material from course website.
13. Apr 13	Distance to the Pleiades (in computer Microlab). <b>GO TO 216 BESSEY HALL.</b>	Prepare for computer microlab following week, using material from course website.
14. Apr 20	The Age of the Universe (in computer Microlab). <b>GO TO 216 BESSEY HALL.</b>	No homework .
15. Apr 27	The Milky Way Galaxy (Planetarium). + CLICKER QUIZ	No homework .
NO FINAL EXAM		