

ISP205L
Visions of the Universe Laboratory
Spring 2006 Course Schedule for Section 5 (Friday)

Week/Date	Weekly Lab (3:00-4:50 Friday) In Planetarium except as noted.	Homework. SG = <i>SkyGazer Activities</i> from <i>Astronomy Media Workbook.</i> (due at <i>start</i> of lab session the following week)
1. Jan 13	Introduction. The Celestial Sphere. Directions. Star maps.	SG-1: Introducing SkyGazer (Due week 3)
2. Jan 20	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 27	Seasonal motions. Path of the Sun (Analemma, etc.). Seasonal heating.	SG-4: Motions of the Sun. SG-5: Ecliptic, Parts 1-3.
4. Feb 3	Long-term motions (precession). Gyroscopes, etc.	No homework. Study for Quiz.
5. Feb 10	SKY QUIZ + CLICKER QUIZ	SG-8: Precession and Proper Motion.
6. Feb 17	Eclipses.	SG-9: Phases of the Moon
7. Feb 24	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 3	Parallax as seen in the sky. Outdoors experiment (weather permitting): Measuring parallax.	SG-13: The Superior Planets
9. Mar 17	Scale of the Solar System. How to determine it.	No homework. Study for Quiz.
10. Mar 24	SKY QUIZ + CLICKER QUIZ	SG-14: Observing the Planets
11. Mar 31	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 7	Age of the Pleiades Star Cluster (in computer Microlab). GO TO 216 BESSEY HALL.	Prepare for computer microlab following week, using material from course website.
13. Apr 14	Distance to the Pleiades (in computer Microlab). GO TO 216 BESSEY HALL.	Prepare for computer microlab following week, using material from course website.
14. Apr 21	The Age of the Universe (in computer Microlab). GO TO 216 BESSEY HALL.	No homework .
15. Apr 28	The Milky Way Galaxy (Planetarium). + CLICKER QUIZ	No homework .
NO FINAL EXAM		