<table>
<thead>
<tr>
<th>Week/Date</th>
<th>Weekly Lab</th>
<th>Homework.</th>
<th>SG = SkyGazer Activities from Astronomy Media Workbook.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3:00-4:50 Tuesday) In Planetarium (3:00-4:50) except as noted.</td>
<td></td>
<td>(due by 2PM following Tuesday)</td>
<td></td>
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</tbody>
</table>

1. Aug 30
   - **SG-1: Introducing SkyGazer**

2. Sept 6
   - Star motions during the night. The view from different locations on Earth. Computing latitude.
   - **SG-2: Motions of the Stars**
   - **SG-3: Celestial Sphere**

3. Sept 13
   - Seasonal motions. Path of the Sun (Analemma, etc.). Seasonal heating.
   - **SG-4: Motions of the Sun.**
   - **SG-5: Ecliptic, Parts 1-3.**

4. Sept 20
   - Long-term motions (precession). Gyroscopes, etc.
   - **Study for Sky Quiz.**

5. Sept 27
   - SKY QUIZ
   - **SG-8: Precession and Proper Motion.**

6. Oct 4
   - Moon phases. Predicting them. Why we always see one side. Eclipses.
   - **SG-9: Phases of the Moon**

7. Oct 11
   - **SG-12: The Inferior Planets**

8. Oct 18
   - Parallax as seen in the sky.
   - Outdoors experiment (weather permitting): Measuring parallax.

9. Oct 25
   - Scale of the Solar System. How to determine it.
   - **Study for Sky Quiz.**

10. Nov 1
    - SKY QUIZ
    - **SG-14: Observing the Planets**

11. Nov 8
    - 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. Nov 15
    - Spectra of stars (in computer Microlab).
    - **GO TO 216 BESSEY HALL.**
    - Prepare for computer microlab following week, using material from course website.

13. Nov 22
    - HR Diagram. Distance to the Pleiades. The scale of the galaxy. (in computer Microlab).
    - **GO TO 217 BESSEY HALL.**
    - Prepare for computer microlab following week, using material from course website.

14. Nov 29
    - Measuring the Age of the Universe (in computer Microlab).
    - **GO TO 217 BESSEY HALL.**

15. Dec 6
    - Where the chemical elements came from (Planetarium).

**NO FINAL EXAM**

* **** means use modified instructions, on Angel answer sheet, for how to start this SG activity.*