

Introduction to Astronomy Laboratory (Astr 008)

Department of Physics, Lehigh University

Fall 2016

Schedule of Regular Laboratory Meetings (in LL Room 221)

<u>Week</u> <u>Beginning</u>	<u>Laboratory Exercise</u>	Dates for			
		<u>Monday</u> <u>Sect. 60</u>	<u>Tuesday</u> <u>Sect. 63</u>	<u>Wednesday</u> <u>Sects. 61</u>	<u>Friday</u> <u>Sect. 62</u>
8/29	NO REGULAR LAB MEETING THIS WEEK				
9/5	Lab # 1: Celestial Coordinates	9/5	9/6	9/7	9/9
9/12	NO REGULAR LAB MEETING THIS WEEK				
9/19	Lab # 2: Orbital Motions	9/19	9/20	9/21	9/23
9/26	TO BE ANNOUNCED (Possibly No Meeting)	9/26	9/27	9/28	9/30
10/3	Lab # 3: Atomic and Stellar Spectra	10/3	10/4	10/5	10/7
10/10	TO BE ANNOUNCED (Possibly No Meeting)	10/10	10/11	10/12	10/14
10/17	NO REGULAR LAB MEETING THIS WEEK				
10/24	Lab # 4: Optics, Telescopes, and Waves	10/24	10/25	10/26	10/28
10/31	TO BE ANNOUNCED (Possibly No Meeting)	10/31	11/1	11/2	11/4
11/7	Lab # 5: Cratering on the Moon	11/7	11/8	11/9	11/11
11/14	Lab # 6: Stellar Distances	11/14	11/15	11/16	11/18
11/21	NO REGULAR LAB MEETING THIS WEEK				
11/28	Lab # 7: Light From Stars (HR Diagram)	11/28	11/29	11/30	12/2
12/5	Lab # 8: Hubble's Redshift Law	12/5	12/6	12/7	12/9

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Observational Laboratory Meetings (Outside)

The Observational Laboratory Meetings are numbered 1A, 2A, and 3A. Detailed instructions indicating the days, hours, and locations will be distributed in lecture and posted on Course Site prior to the appropriate night sessions. They will not necessarily be the same from one observational meeting to the next. As sky conditions are always unpredictable, students will be given a phone number to call that will indicate whether or not the scheduled night session is cancelled due to weather. Astronomy lab students must attend one of each of the observational labs, 1A, 2A, and 3A, but you do not need to attend more than one of each. You should attend the first one where you are available!

<u>Date(s)</u>	<u>Observational Laboratory Exercises and Tentative Schedule</u>	
9/5 - 9/8	Lab # 1A:	Observation of Saturn M,T,W,Th: 8:45 – 9:15 PM; first two good nights*
9/12 - 9/15	Lab # 1A:	Observation of Saturn M,T,W,Th: 8:30 – 9:00 PM; run <u>only if needed</u> *... .. Run only if two observations of Saturn were not completed earlier
11/7 - 11/8	Lab # 2A:	Observation of Moon M,T: 7:00 – 7:30 PM; first two good nights*
11/15 - 11/18	Lab # 3A:	Observation of Jupiter (NOTE: MORNING SESSION!) T,W,Th,F: 5:00 – 5:30 <u>AM</u>; first good morning
11/29 - 12/2	Lab # 3A:	Observation of Jupiter (NOTE: MORNING SESSION!) T,W,Th,F: 5:00 – 5:30 <u>AM</u> ; run <u>only if needed</u> *... .. Run only if one observation of Jupiter was not completed earlier
12/5 - 12/8	Lab # 2A:	Observation of Moon M,T,W,Th: 6:30 – 7:00 PM; run <u>only if needed</u> *... .. Run only if two observations of the Moon were not completed earlier

** This means, for example, that we will first try for Monday, 9/5, for Lab #1A. If that doesn't work, we'll try for 9/6, 9/7, 9/8, then 9/12, 9/13 etc. until Lab # 1A has been run twice. Same for the others, except that there will be only one AM observation session for Jupiter (Lab #3A).*

Additional sessions will be scheduled if needed to account for seriously bad weather.