EAS 171 Lab Schedule for Students

Lab #1:
Lab orientation: attendance is required, pencils are required, bring a calculator.
Today's lab exercise: The Geographic Coordinate System

Lab #2:
Post-lab: The Geographic Coordinate System
Today's lab exercise: The Horizon System

Lab #3
Post-lab: The Horizon System
Today's lab exercise: The Equatorial System

Lab #4
Post-lab: The Equatorial System
Today's lab exercise: Phases of the Moon
Notice: Quiz next week, study the last three labs

Lab #5
Post-lab: Moon Phases
Quiz: Coordinate Systems
Today's lab exercise:
1) Time-phase relationships & using a star chart
2) Take home lab part 1: The Celestial Sphere & Observing Stars
Videos: Star Trekking

Lab #6
Post-lab: None
Today's lab exercise:
1) Take home lab part 2: The Celestial Sphere & the Moon
2) Planetary Properties and Positions

Lab #7
Post-lab: Planetary Properties and Positions
Today's lab exercise: Introduction to Stars and Stellar Measurements
Notice: Quiz next week, study the Planetary Properties lab & the CD tutorial

Lab #8
Post-lab: Introduction to Stars and Stellar Measurements
Quiz: Planetary Properties
Today's lab exercise: Stellar Spectra and the H-R Diagram
Lab #9
 Post-lab: Stellar Spectra and the H-R Diagram
 Today's lab exercise: Atmospheric Composition and Structure

Lab #10
 Post-lab: Atmospheric Composition and Structure
 Today's lab exercise: Earth-Sun Relationships

Lab #11
 Post-lab: Earth-Sun Relationships
 Today's lab exercise: Temperature, Pressure, and Air Masses

Lab #12
 Post-lab: Temperature, Pressure, and Air Masses
 Today's lab exercise: Weather Measurements and Statistics

Lab #13
 Post-lab: Weather Measurements and Statistics
 Today's lab exercise: Surface Weather Map Analysis 1:
 Station Model Interpretation

Lab #14
 Post-lab: Surface Weather Map Analysis 1
 Today's lab exercise: Surface Weather Map Analysis 2:
 Frontal Zones and the Mid-Latitude Cyclone
 Notice: Quiz next week, study the last three labs

Lab #15
 Post-lab: Surface Weather Map Analysis 2
 Quiz: Weather Maps
 Notice: Review for final exam