ASTRONOMY 23 – SYLLABUS

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LAB SESSIONS: Discovery Hall 414,
12:30-2:30 pm. Monday and Wednesday, June 18 – July 13
Subjects will be reviewed at the beginning of each session.
PLEASE be on time!

PREREQUISITE: Astronomy 05, taken previously or concurrently.

FORMAT: This laboratory course supplements the lecture material of Astronomy 05, with 7 projects. 6 of these will be done in the lab. 1 will involve your own outdoor observations. In-lab work will be done in groups, one group for each lab table. Each student will hand in his/her own individual lab report at the end of each session on the Report Form provided. Each student will do the outdoor observing lab individually, due late in the course. Don’t wait too long to start this project. It takes a lot of time.

REPORT FORMAT: The Report Forms supplied for each project must be used.

GRADING: Each in-lab project counts 10%, and the outdoor observation project 40%.

ABSENCES: There will be no makeup session for labs. So don’t miss one, or you’ll have to take a zero on it. Missing one is to too bad though. Missing two might be.

SUPPLIES: You will need a pencil. Bring a calculator if you can. Photos and diagrams that you may need will be in the lab or posted on Bb.

PROJECTS:
We’ll have hard copies of the project write-ups and report forms for you each week in the lab, along with any photos or diagrams you’ll need.

The In-lab projects include:
Mon. June 18th - Orientation
Wed. June 20th - Lenses and Telescopes
Mon. June 25th - Stellar Coordinates and Star Charts
Wed. June 27th - Mountains and Craters on the Moon
Mon. July 2th - Retrograde Motion of the Planets
Wed. July 4th – NO LAB - Holiday
Mon. July 9th - Atomic Spectra and the Hubble Law
Wed. July 11th - Star S2 and Our Galactic Black Hole

Individual Observing Lab: Determining the Sidereal and Synodic Months, Sidereal and Solar Days, and Your True Zodiacal Sign