SUGGESTED FALL 2013 AST 105*

EXERCISE 1. CONSTELLATIONS AND CELESTIAL COORDINATES

EXERCISE 2. CELESTIAL SPHERE

EXERCISE 3. TELESCOPES AND FIELD OF VIEW

EXERCISE 4. LUNAR SURFACE FEATURES

EXERCISE 5. THE MOON'S ORBIT

EXERCISE 9. THE PERIOD OF ROTATION OF THE SUN

EXERCISE 10. BRIGHTNESS AND COLOR OF STARS

EXERCISE 11. DOUBLE STARS

EXERCISE 14. DEEP SKY OBSERVATIONS

EXERCISE 15. GALACTIC STRUCTURE FROM 21-CM RADIATION

***THESE EXERCISES HAVE THE FEWEST CHANGES, TO AVOID CONFUSION FOR STUDENTS WHO HAVE THE PREVIOUS PRINTING OF THE MANUAL**

SUGGESTED SPRING 2014 AST 105

EXERCISE 1. CONSTELLATIONS AND CELESTIAL COORDINATES

EXERCISE 2. CELESTIAL SPHERE

EXERCISE 3. TELESCOPES AND FIELD OF VIEW

EXERCISE 4. LUNAR SURFACE FEATURES

EXERCISE 6*. PLANETS

EXERCISE 7*. GALILEAN SATELLITES OF JUPITER

EXERCISE 8. THE DOPPLER EFFECT: THE ROTATION OF MERCURY

EXERCISE 10. BRIGHTNESS AND COLOR OF STARS

EXERCISE 12*. STELLAR SPECTRAL CLASSIFICATION

EXERCISE 13*. PHOTOELECTRIC PHOTOMETRY OF THE PLEIADES

EXERCISE 16. THE HUBBLE LAW: THE EXPANSION OF THE UNIVERSE

EXERCISE 17. GALAXY IDENTIFICATIONS AND DISTANCES

***EX. 6 OR 7; EX. 12 OR 13**