Syllabus - 2013

Lecture date, number — Subjects

Tu Jan 15:  1 Introduction, syllabus & class rules; scient. notation, units, scales, Earth rotation, time zones, constellations
Th Jan 17:  2 Seasons, phases, eclipses
Tu Jan 22:  3 History 1: The Greeks, Copernicus, Tycho, Kepler
Th Jan 24:  4 History 2: Galileo, Newton
Tu Jan 29:  5 How science works
Th Jan 31:  6 The nature of light, telescopes
Tu Feb  5:  Exam 1: Lectures 1 — 6
Th Feb  7:  7 How astronomers use spectra to learn about stars
Tu Feb 12:  8 Stars: distance, luminosity, mass,…, star formation
Th Feb 14:  9 Stars: our Sun
Tu Feb 19: 10 Stars: energy generation, main sequence life
Th Feb 21:11 Stars: life from main sequence to white dwarf
Tu Feb 26:12 Stars: death — supernovae, neutron stars, black holes
Th Feb 28: Exam 2: Lectures 7 — 12
Tu Mar  5: Exam 3: Lectures 1 — 12
Th Mar  7: Exam 4: Lectures 1 — 12

Mar 11 — 16:  Spring Break

Tu Mar 19:13 Our Galaxy — the Milky Way
Th Mar 21:14 Galaxies: properties, clusters of galaxies, dark matter
Tu Mar 26:15 Galaxies: evolution, distances, expansion of Universe
Th Mar 28:16 Galaxies: active galaxies, supermassive black holes
Tu Apr  2:17 Cosmology: Big Bang — evolution of the Universe
Th Apr  4: Exam 5: Lectures 13 — 17

Tu Apr  9:18 Solar System: introduction, formation
Th Apr 11:19 Solar System: other solar systems, Jupiter—Neptune
Tu Apr 16:20 Solar System: outer parts: Pluto, Kuiper belt, comets
Th Apr 18:21 Solar System: satellites, asteroids, Moon, Mercury
Tu Apr 23:22 Solar System: Mars and Venus
Th Apr 25:23 Solar System: Earth
Tu Apr 30:24 History of life on Earth, life in the Universe
Th May  2: Exam 6: Lectures 18 — 24

There will be no final exam.
There will be no makeup exams.

There will be a help session from 4 – 6 PM on the night before every exam except no. 3.