Astro 105 Summer Exam III Study Guide

Topics (not exhaustive, but covers the most important material)

Age of universe (and some of the details)
Alan Guth
Big Bang Theory
Big Crunch
Blazars
Clusters, Superclusters
Cosmic Microwave Background Radiation (CMBR)
Cosmological Constant
Cosmological Redshift
Cosmology
Dark energy
Dark matter
Doppler Redshift
Edwin Hubble
Electromagnetic force
Electroweak Theory, Steven Weinberg
Four fundamental forces
Galactic collisions
Gamma-Ray Bursts
General Relativity (GR) theory, equation, and terms
Gravity force
High Energy Physics, Length Scales
Hubble flow
Hubble's Constant and Law
Inflation
Lawrence Krauss
Local Group
Matter-dominated and Radiation-dominated universe
Quasars
Quintessence
Recessional velocity
Richard Feynman, Feynman Diagrams
Special Relativity's Constraint on Fluctuating Objects
Strong force
Superstrings and Brane Theory
Tully & Fisher's relation and law
Vacuum energy
Weak force