

Galactic and extragalactic astronomy

Comprehensive examination topics

1. Structure of the Milky Way
2. Galactic kinematics and dynamics
3. Properties of spiral galaxies
4. Properties of elliptical galaxies
5. Clusters of galaxies, large-scale structures

Literature:

Carrol & Ostlie: Introduction to Modern Astrophysics

Binney & Merrifield: Galactic Astronomy

Binney & Merrifield: Galactic Dynamics