

ASTRO 330 - GALAXIES / Fall 2010
University of Wisconsin Madison
Professor Matthew Bershad

Required Text:

Galaxies in the Universe
2nd Edition
Sparke & Gallagher
2007
Cambridge University Press
ISBN 978-0-521-67186-6

Reference material

* Advanced Undergraduate

Modern Cosmological Observations & Problems
Bothun
1998
Taylor & Francis
ISBN 0-7484-0645-X

Galaxies & Galactic Structure
Elmegreen
1998
Prentice Hall
ISBN 0-13-779232-8

Quasar Astronomy
Weedman
1986
Cambridge University Press
ISBN 0-521-30318-4

First Principles of Cosmology
Linder
1997
Addison-Wesley
ISBN 0-201-40395-1

* Intro Graduate level

* Galaxies and Stellar Populations

Galactic Astronomy
2nd Edition (out of print)
Mihalas & Binney
1981
W.H. Freeman & Company
ISBN 0-7167-1280-6

The Milky Way As A Galaxy
Gilmore, King, van der Kruit
1990
University Science Books
ISBN 0-935702-62-8

Galactic Astronomy
Binney & Merrifield
1998
Princeton U. Press
ISBN 0-691-00402-1

Galactic Dynamics
Binney & Tremaine
1987
Princeton U. Press
ISBN 0-691-08445-9

Nucleosynthesis and Chemical Evolution in Galaxies
2nd Edition
Pagel
2009
Cambridge University Press
ISBN 0-521-55958-8

* ISM and AGN

Astrophysics of Gaseous Nebulae & Active Galactic Nuclei
2nd Edition
Osterbrock & Ferland
2006
University Science Books
ISBN 1-891389-34-3

Active Galactic Nuclei
Krolik
1999
Princeton University Press
ISBN 0-691-01151-6

* Cosmology and Galaxy Formation

Galaxy Formation
Longair
1998
Springer
ISBN 3-540-63785-0

Introduction to Cosmology
2nd Edition
Roos
1997
Wiley
ISBN 0-471-97383-1