

ASTRO 730 – GALAXIES / Fall 2023  
University of Wisconsin Madison  
Professor Matthew Bershady

Reference material  
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\*\* on reserve in Library

INTRO GRADUATE LEVEL

a. 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

b. 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

c. 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

ADVANCED UNDERGRADUATE

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

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