

# Astrophysics & Cosmology: Bibliography

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**The two 'official' textbooks of the course are:**

**1.** The first part of the course (**cosmology**) will be based mostly on:

**B. Ryden:** Introduction to Cosmology [Addison Wesley]

(An excellent introductory book to cosmology.)

**2.** The second part (stars and stellar physics) will be based mostly on:

**D. Maoz:** Astrophysics in a Nutshell [Princeton University press]

(This is an excellent general introductory book to astronomy and astrophysics.)

## **Advanced General Introduction to Astrophysics**

**Padmanabhan:** Theoretical Astrophysics: Volume 1: Astrophysical Processes; Volume 2, Stars and Stellar Systems; Volume 3, Galaxies and Cosmology [An excellent three volume series that covers most fields of theoretical astrophysics, high graduate level.]

**Shu:** The Physical Universe: An Introduction to Astronomy. [Basic text book, high-undergrad level, highly recommended.]