ASTR3C34: THE PHYSICS AND EVOLUTION OF STARS

Recommended text book for the course:

D. Prialnik: *An Introduction to the Theory of Stellar Structure and Evolution*, (Cambridge University Press, 2000, £20)
This book is the most useful since it covers most aspects of the course and is up-to-date.

Other recommended books:

T. Padmanabhan: *Theoretical Astrophysics Volume II: Stars and Stellar Systems*, (Cambridge University Press, 2001, £27.95)
At a more advanced level than the course and covers lots more additional material on stars. Vol I (Astrophysical Processes) is also useful as it covers opacities and basic stellar physics. For reference only.

R.L. Bowers and T. Deeming: *Astrophysics I – Stars*, (Jones and Bartlett, 1984).
Covers the basics of the course but rather out-of-date now.

E. Böhm-Vitense: *Introduction to Stellar Astrophysics: Volume 2: Stellar Atmospheres and Volume 3: Stellar Structure and Evolution*, (Cambridge University Press, 1993, £20.95).
Covers all of the course but at a low level; a useful introduction?

D. F. Gray: *The Observation and Analysis of Stellar Photospheres*, (Cambridge University Press, 1993, £32.95).
Covers the stellar atmospheres part of the course; a useful read in the library.

Encyclopedia of Astronomy and Astrophysics: `http://www.ency-astro.com` (accessible only from UCL); useful articles are listed on the 3C34 web page.