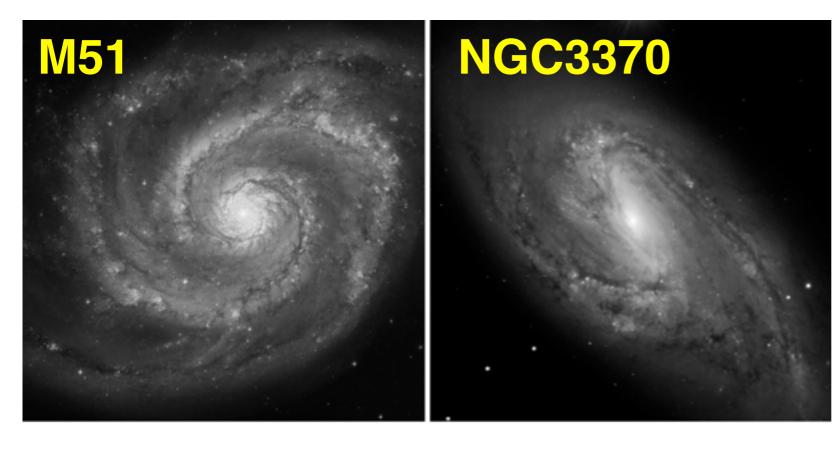
Spiral and Elliptical Galaxies



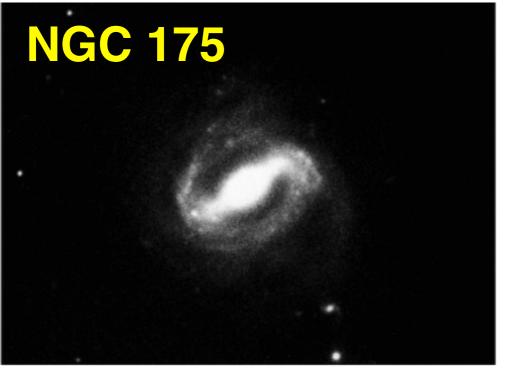
Maoz Figure 7.1

Each image about <u>20 kpc</u> across

Maoz Figure 7.8



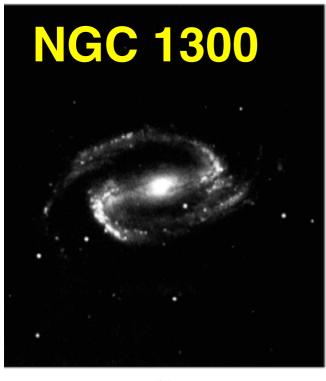
Barred Spiral Galaxies



Carroll & Ostlie Figure 25.6

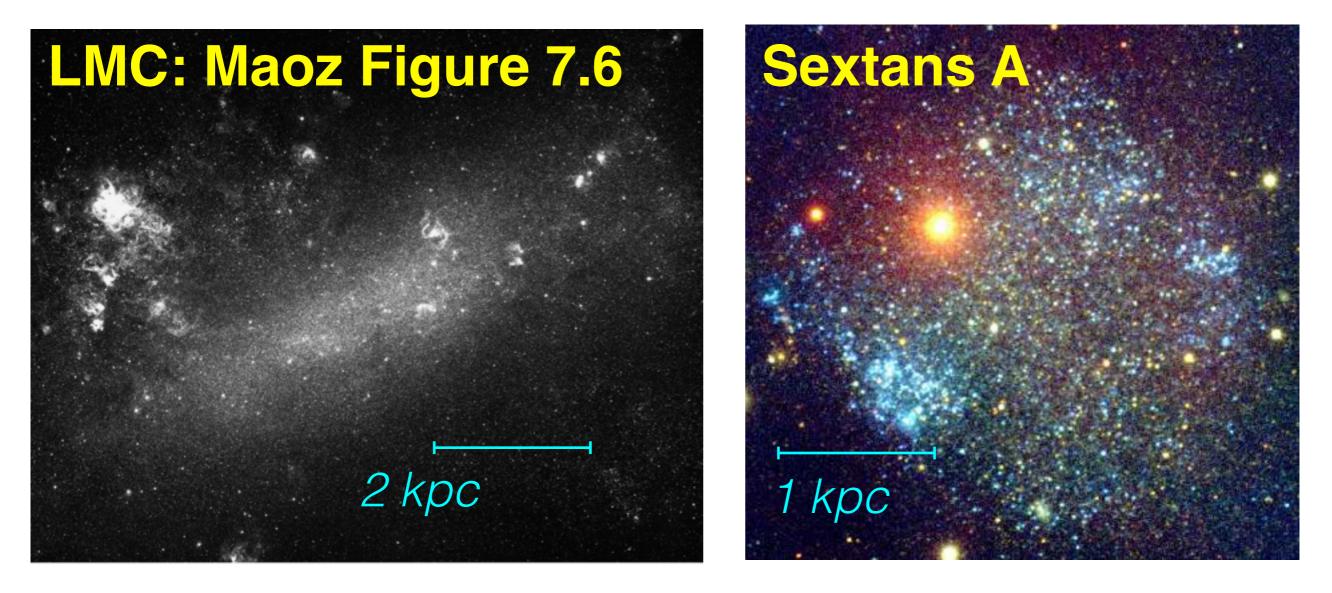
Does the Milky Way Galaxy have the structure of a barred spiral?







Irregular Galaxies



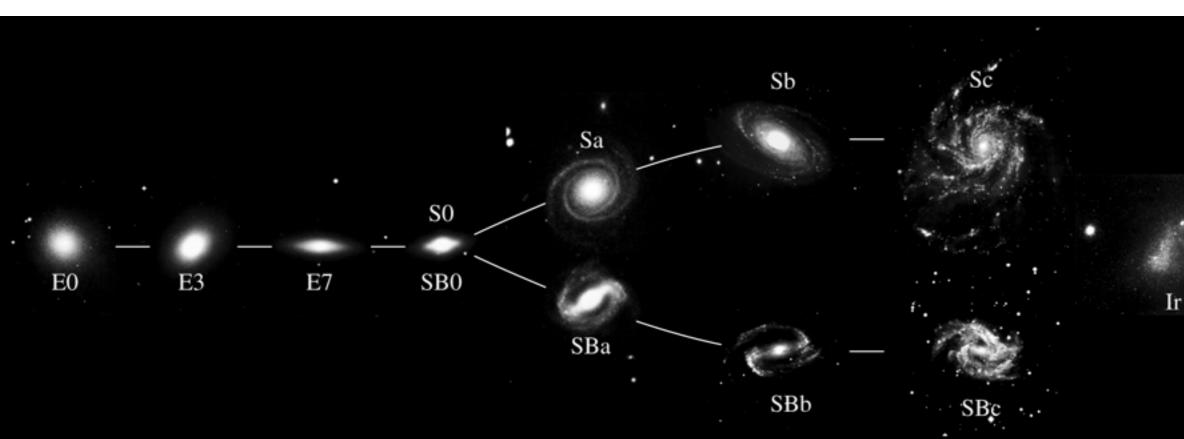
These are small and numerous and tend to hang around near larger galaxies as part of large groups.

Hubble's "Tuning Fork"

Carroll and Ostlie Figure 25.1

"...Late"

"Early..."



But this is <u>not</u> an evolutionary progression!

Elliptical Classification

"E ϵ " where $\epsilon = 1 - \beta / \alpha$

Carroll and Ostlie Figures 25.2 and 25.3

