

## Ast 25 week 4b: Useful readings/Homework #05

Basic astronomy texts provide useful treatments of galactic astronomy.

### Wikipedia readings (don't delve too deeply)

[http://en.wikipedia.org/wiki/Milky\\_Way](http://en.wikipedia.org/wiki/Milky_Way)

[http://en.wikipedia.org/wiki/21\\_cm\\_radiation](http://en.wikipedia.org/wiki/21_cm_radiation)

[http://en.wikipedia.org/wiki/Galactic\\_Center](http://en.wikipedia.org/wiki/Galactic_Center)

[http://en.wikipedia.org/wiki/Sag\\_A\\*](http://en.wikipedia.org/wiki/Sag_A*)

[http://en.wikipedia.org/wiki/Andromeda\\_galaxy](http://en.wikipedia.org/wiki/Andromeda_galaxy)

[http://en.wikipedia.org/wiki/Messier\\_87](http://en.wikipedia.org/wiki/Messier_87)

### Homework #05 (5 pts):

Write a short essay (300-400+ words) describing the structure of our Milky Way Galaxy. Incorporate, where appropriate, definitions/explanations of all the following key words. Provide at least two references you used in your work.

Disk component

Spheroidal Component

Populations I, II

ISM

Spiral arms

Density Wave

Halo

Disk

Bulge

Bar

Nucleus

Sag A\*