

## ASTR 201: Introductory Astronomy

Reading Guide

<http://blackboard.miracosta.edu>

21<sup>st</sup> Century Astronomy 4e by Kay et al.

Chapter	Reading Guidelines
1	<ul style="list-style-type: none"><li>Read all.</li></ul>
2	<ul style="list-style-type: none"><li>Read carefully from the beginning through section 5.</li><li>In section 6 on “Eclipses” you only need to know the difference between a lunar and a solar eclipse; the other details are not necessary.</li><li>Read section 7.</li></ul>
3	<ul style="list-style-type: none"><li>Read all carefully.</li><li>In Connections 3.1 you do not need to worry with the names of the planetary configurations.</li></ul>
4	<ul style="list-style-type: none"><li>Read all carefully.</li><li>In section 4 you do not need to worry with the fancy terminology.</li></ul>
5	<ul style="list-style-type: none"><li>Read all carefully.</li></ul>
6	<ul style="list-style-type: none"><li>Read carefully from the beginning through section 1.</li><li>Skip section 2 (though you may find it interesting).</li><li>Read Connections 6.2 and sections 3 and 4.</li><li>Nothing else is necessary (but you may find it interesting).</li></ul>
7	<ul style="list-style-type: none"><li>Read all carefully.</li></ul>
8 – 12	<ul style="list-style-type: none"><li>No formal assignments and no reading questions.</li></ul>
13	<ul style="list-style-type: none"><li>Read all carefully.</li></ul>
14	<ul style="list-style-type: none"><li>Section 2 is all that matters.</li><li>Key concepts are hydrostatic equilibrium, nuclear fusion, hydrogen burning, <math>E=mc^2</math> (Math Tools 14.1), and the proton-proton chain (Connections 14.1).</li></ul>
15	<ul style="list-style-type: none"><li>Can just skim the entire chapter. Focus on Figures 15.15, 15.16, 15.17, 15.20, and 15.22 and their captions.</li><li>Read the first paragraph of the second column on page 482 about star clusters.</li></ul>
16	<ul style="list-style-type: none"><li>Read carefully from the beginning through section 1.</li><li>In sections 2-4 pay attention to the “big picture” of why a star leaves the main sequence, generally what happens to it, and the names of the phases it proceeds through, e.g. life cycle. Don’t get bogged down in the details.</li><li>Skim section 5. Key items are nova, type I supernova, and Chandrasekhar limit.</li><li>Read section 6.</li></ul>
17	<ul style="list-style-type: none"><li>Skim beginning through section 2 and pay attention to the “big picture” of what leads to a type II supernova. Don’t get bogged down in the details.</li><li>In section 3 make sure you have a basic understanding of what neutron stars and pulsars are.</li><li>Read sections 4 &amp; 5 very carefully.</li></ul>
18	<ul style="list-style-type: none"><li>Read sections 1 and 4 only.</li></ul>
19	<ul style="list-style-type: none"><li>Read all.</li><li>Go back to Chapter 6 and read section 7.</li></ul>
20	<ul style="list-style-type: none"><li>Read all through section 3, the <i>title</i> of section 4 (only), and section 5.</li></ul>

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21	<ul style="list-style-type: none"><li>▪ Skim enough to get a basic understanding of the size, components, and structure of the Milky Way.</li><li>▪ Read section 2.</li></ul>
22	<ul style="list-style-type: none"><li>▪ Read from the beginning through section 3.</li></ul>
23	<ul style="list-style-type: none"><li>▪ Read from the beginning through section 2. In section 2 don't worry with the difference between cold dark matter and hot dark matter.</li><li>▪ Skim sections 3 and 4.</li><li>▪ Read sections 5 &amp; 6.</li></ul>
24	<ul style="list-style-type: none"><li>▪ Sections 1-3 are not necessary.</li><li>▪ Read sections 4 and 5.</li></ul>