

ASTR 101: Descriptive Astronomy  
Course Schedule with Assignments

Spring 2017: ONLINE  
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- Remember that *many assignments are due mid-week (noon on Thursdays)*. Check the red "Graded Assignments" table in each week's module summary for specifics (see [Canvas](#)).
- Refer to your Reading Guide (see [Canvas](#)) for helpful information on each chapter.

week	23 January – 29 January	
1	Introduction <ul style="list-style-type: none"> <li>Student Questionnaire</li> <li>Syllabus Quiz</li> <li>Mindsets initial DB post</li> </ul> Chapter 1 <ul style="list-style-type: none"> <li>Powers of Ten DB post</li> <li>1 LT (#02) = 2 DB posts required (1 initial + 1 response)</li> </ul>	02: Position
week 2	30 January – 05 February <ul style="list-style-type: none"> <li>Mindsets response DB post</li> </ul> Chapter 1 <ul style="list-style-type: none"> <li>RQ 1-1</li> <li>3 LTs (#03-05) = 6 DB posts</li> <li>RTs: Motion of the Sky #s 1-5 (portfolio #1)</li> </ul>	03: Motion 04: Seas Stars 05: Ecliptic
week 3	06 February – 12 February <ul style="list-style-type: none"> <li>Chapter 1               <ul style="list-style-type: none"> <li>RQ 1-2</li> <li>3 LTs (#06-08) = 6 DB posts</li> <li>RTs: Seasons #s 1-5 (portfolio #1)</li> </ul> </li> </ul>	06: Solstid 07: Path Sun 08: Seasons
week 4	13 February – 19 February <ul style="list-style-type: none"> <li>Chapter 1               <ul style="list-style-type: none"> <li>2 LTs (#09-10) = 4 DB posts</li> <li>RTs: Phases of the Moon #s 1-5 (portfolio #1)</li> <li>Practice Test</li> </ul> </li> </ul>	09: Cause Moon 10: Pred Moon
week 5	20 February (holiday) – 26 February <ul style="list-style-type: none"> <li>HW Portfolio #1 due</li> <li>TEST 1</li> <li>after test, be working on Bloom's Taxonomy initial DB post due next week</li> </ul> Chapter 2 <ul style="list-style-type: none"> <li>RQ 2-1; RQ 2-2</li> <li>2 LTs (#11-12) = 4 DB posts</li> <li>RTs: Kepler's Laws – Orbital Motion #s 1, 2, 6 (portfolio #2)</li> </ul>	11: Retro 12: Kep 2

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week	27 February – 05 March	
6	Bloom's Taxonomy initial DB post Chapter 2 <ul style="list-style-type: none"> <li>RQ 2-3</li> <li>2 LTs (#13-14) = 4 DB posts</li> <li>RTs: Kepler's Laws – Orbital Motion #s 3-5 (portfolio #2)</li> <li>RTs: Gravity #s 1-6 (portfolio #2)</li> </ul> Chapters 5-6 <ul style="list-style-type: none"> <li>RQ 5; RQ 6</li> <li>1 LT (#22) = 2 DB posts</li> <li>RTs: Solar System #s 1-7 (portfolio #2)</li> <li>supplementary LT: Terrestrial Planets vs. Jovian Planets (portfolio #2)</li> <li>supplementary LT: Pluto (portfolio #2)</li> </ul>	13: Kep 3 14: Newton  22: Temp Form SS
week 7	06 March – 12 March <ul style="list-style-type: none"> <li>HW Portfolio #2 due</li> <li>TEST 2</li> <li>Bloom's Taxonomy response DB post</li> </ul> Chapter 3 <ul style="list-style-type: none"> <li>RQ 3-1; RQ 3-2; RQ 3-3</li> <li>2 LTs (#15-16) = 4 DB posts</li> <li>RTs: The Electromagnetic (EM) Spectrum #s 1-5 (portfolio #3)</li> <li>Human Orrery bonus activity (optional)</li> </ul>	15: EM Spec 16: Tel & Atmos  — errory 8th 4 9th
week 8	13 March – 19 March <ul style="list-style-type: none"> <li>Chapter 4               <ul style="list-style-type: none"> <li>RQ 4-1</li> <li>2 LTs (#17-18) = 4 DB posts</li> <li>RTs: Blackbody Radiation #s 1-5 (portfolio #3)</li> <li>RTs: Luminosity of Stars #s 1 &amp; 5 (portfolio #3)</li> </ul> </li> </ul>	17: Bb Rad 18: Lum, T, & size
spring break	20 March – 26 March	
week 9	27 March – 02 April <ul style="list-style-type: none"> <li>Chapter 4               <ul style="list-style-type: none"> <li>RQ 4-2</li> <li>3 LTs (#19-21) = 6 DB posts</li> <li>RTs: Electron Transitions #s 1-5 (portfolio #3)</li> <li>RTs: Doppler Shift #s 1-4 (portfolio #3)</li> </ul> </li> </ul>	19: Types Spec 20: Light & Atoms 21: Doppler
week 10	03 April – 09 April <ul style="list-style-type: none"> <li>HW Portfolio #3 due</li> <li>TEST 3</li> <li>Chapter 10               <ul style="list-style-type: none"> <li>RQ 10</li> </ul> </li> <li>Chapter 11               <ul style="list-style-type: none"> <li>RQ 11-1</li> <li>2 LTs (#23-24) = 4 DB posts</li> <li>RTs: Parallax #s 1-3 (portfolio #4)</li> </ul> </li> </ul>	23: Parsec 24: Parallax Dist

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week	10 April – 16 April	
11	Chapter 11 <ul style="list-style-type: none"> <li>• RQ 11-2; RQ 11-3</li> <li>• 3 LTs (#25-27) = 6 DB posts</li> <li>• RTs: Apparent and Absolute Magnitude #s 1-4 (portfolio #4)</li> <li>• RTs: Inverse-Square Law of Light #s 1-4 (portfolio #4)</li> <li>• RTs: Luminosity of Stars #s 2-4 (portfolio #4)</li> <li>• RT: Spectroscopic Parallax #1 (portfolio #4)</li> </ul>	25: Mag 26: HR Diag 27: Spec Par
week	17 April – 23 April	
12	Chapter 11 <ul style="list-style-type: none"> <li>• RQ 11-4</li> <li>• RTs: Spectral Types #s 1-3 (portfolio #4)</li> </ul> Chapter 12 <ul style="list-style-type: none"> <li>• RQ 12</li> </ul> Chapter 13 <ul style="list-style-type: none"> <li>• RQ 13</li> <li>• 2 LTs (#28-29) = 4 DB posts</li> <li>• RTs: Star Evolution #s 1-4 (portfolio #4)</li> </ul>	28: SF & Life 29: ST Ev
week	24 April – 30 April	
13	<ul style="list-style-type: none"> <li>• HW Portfolio #4 due</li> <li>• TEST 4</li> <li>• Planet Hunters</li> </ul> Chapter 15 <ul style="list-style-type: none"> <li>• RQ 15-1; RQ 15-2</li> <li>• 2 LTs (#30-31) = 4 DB posts</li> <li>• RT: Size &amp; Scale #1 (portfolio #5)</li> </ul>	30: MW Scales 31: DM
week	01 May – 07 May	
14	Chapter 16 <ul style="list-style-type: none"> <li>• RQ 16-1; RQ 16-2</li> <li>• 3 LTs (#32-34) = 6 DB posts</li> <li>• RTs: Size &amp; Scale #s 2-4 (portfolio #5)</li> <li>• RT: Star Evolution &amp; Lookback Time #1 (portfolio #5)</li> <li>• RT: Hubble's Law #1 (portfolio #5)</li> </ul>	32: Gal CLASS 33: Look Dist obj 34: Exp Univ
week	08 May – 14 May	
15	Chapter 18 <ul style="list-style-type: none"> <li>• RQ 18-1</li> <li>• 2 LTs (#35-36) = 4 DB posts</li> <li>• RTs: Hubble's Law #s 2-6 (portfolio #5)</li> </ul>	35: Exp, Lb, & Dist 36: Hubble
week	15 May – 21 May	
16	<ul style="list-style-type: none"> <li>• Galaxy Zoo</li> <li>• Observing (optional)</li> </ul> Chapter 18 <ul style="list-style-type: none"> <li>• RQ 18-2</li> <li>• 2 LTs (#37-38) = 4 DB posts</li> </ul> Chapter 19 <ul style="list-style-type: none"> <li>• RQ 19</li> </ul>	37: Big Bang 38: Making Sense

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finals week	22 May – 26 May (Friday)
	<ul style="list-style-type: none"> <li>• HW Portfolio #5 due</li> <li>• TEST 5</li> <li>• FINAL EXAM</li> </ul>