

# ASTRONOMY 309R – SPRING 2008 GALAXIES, QUASARS, AND THE UNIVERSE

Unique No. 49495

## COURSE SCHEDULE

I encourage you to read relevant chapters of the text book, “Cosmology”, by Edward Harrison, before coming to class, so that you can participate in class activities more actively. Class participation is counted as extra credits.

“No O.H.” means that Komatsu’s office hour will be canceled on these dates.

January 14(M)	Expansion of the universe	Ch.14	
January 16(W)	Redshifts	Ch.15	
January 18(F)	Cosmic center & Cosmic edge	Ch.7,8	
<i>January 21(M)</i>	<i>Martin Luther King Jr. Day</i>		
January 23(W)	Horizons in the universe	Ch.21	
January 25(F)	Horizons in the universe	continued	
<b>January 28(M)</b>	<b>First exam</b>	<b>Ch.14,15</b>	<b>No O.H.</b>
January 30(W)	TBA		No O.H.
<b>February 1(F)</b>	<b>Second exam</b>	<b>Ch.7,8,21</b>	
February 4(M)	Darkness at night	Ch.24	
February 6(W)	Newtonian cosmology	Ch.16	
February 8(F)	Newtonian cosmology	continued	
February 11(M)	Cosmic box	Ch.17	
February 13(W)	Curved space	Ch.10	
February 15(F)	Curved space	continued	
February 18(M)	Many universes	Ch.18	
February 20(W)	Many universes	continued	
<b>February 22(F)</b>	<b>Third exam</b>	<b>Ch.24,16,17</b>	
February 25(M)	Observational cosmology	Ch.19	
February 27(W)	Observational cosmology	continued	
February 29(F)	Observational cosmology	continued	
March 3(M)	Dark matter	Special topic	
March 5(W)	Dark energy	Special topic	
<b>March 7(F)</b>	<b>Fourth exam</b>	<b>Ch.10,18,19</b>	

*Spring Break*

March 17(M)	Early universe	Ch.20	
March 19(W)	Early universe	continued	
March 21(F)	Early universe	continued	
March 24(M)	Inflation	Ch.22	
<b>March 26(W)</b>	<b>Fifth exam</b>	<b>Ch.20+Special topics</b>	
March 28(F)	Inflation	continued	
March 31(M)	Inflation	continued	
April 2(W)	Space and time	Ch.9	
April 4(F)	Space and time	continued	
April 7(M)	Special Relativity	Ch.11	
<b>April 9(W)</b>	<b>Sixth exam</b>	<b>Ch.9,22</b>	
April 11(F)	Special Relativity	continued	
April 14(M)	General Relativity	Ch.12	
April 16(W)	General Relativity	continued	
April 18(F)	General Relativity	continued	
<b>April 21(M)</b>	<b>Seventh exam</b>	<b>Ch.11,12</b>	<b>No O.H.</b>
April 23(W)	Black Holes	Ch.13	
April 25(F)	Black Holes	continued	
April 28(M)	Black Holes	continued	
April 30(W)	Creation of the Universe	Ch.25	
<b>May 2(F)</b>	<b>Eighth exam</b>	<b>Ch.13,25</b>	