

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.

January 17(W)	Expansion of the universe	Ch.14
January 19(F)	Redshifts	Ch.15
January 22(M)	Location and the cosmic center	Ch.7
January 24(W)	First exam	Ch.14,15
January 26(F)	Containment and the cosmic edge	Ch.8
January 29(M)	Horizons in the universe	Ch.21
January 31(W)	Horizons in the universe	continued
February 2(F)	Darkness at night	Ch.24
February 5(M)	Newtonian cosmology	Ch.16
February 7(W)	Second exam	Ch.7,8,21,24
February 9(F)	Newtonian cosmology	continued
February 12(M)	Cosmic box	Ch.17
February 14(W)	Curved space	Ch.10
February 16(F)	Curved space	continued
February 19(M)	Many universes	Ch.18
February 21(W)	Many universes	continued
February 23(F)	Third exam	Ch.10,16,17
February 26(M)	Observational cosmology	Ch.19
February 28(W)	Observational cosmology	continued
March 2(F)	Observational cosmology	continued
March 5(M)	Dark matter	Special topic
March 7(W)	Dark energy	Special topic
March 9(F)	Fourth exam	Ch.18,19
<i>Spring Break</i>		
March 19(M)	Early universe	Ch.20
March 21(W)	Early universe	continued
March 23(F)	Early universe	continued
March 26(M)	Inflation	Ch.22
March 28(W)	Fifth exam	Ch.20+Special topics

March 30(F)	Inflation	continued
April 2(M)	Inflation	continued
April 4(W)	Space and time	Ch.9
April 6(F)	Space and time	continued
April 9(M)	Special relativity	Ch.11
April 11(W)	Sixth exam	Ch.9,22
April 13(F)	Special relativity	continued
April 16(M)	General relativity	Ch.12
April 18(W)	General relativity	continued
April 20(F)	General relativity	continued
April 23(M)	Black holes	Ch.13
April 25(W)	Seventh exam	Ch.11,12
April 27(F)	Black holes	continued
April 30(M)	Black holes	continued
May 2(W)	Creation of the universe	Ch.25
May 4(F)	Eighth exam	Ch.13,25