ASTRONOMY 320: RELATIVISTIC ASTROPHYSICS

Winter Quarter 1999

Date	Day	Lecture No.	Topic
Jan. 5	Tue	1	Star deaths & formation of compact objects
7	Th	2	Cold equation of state below neutron drip
12	Tue	3	White dwarfs
14	Th	4	Cooling of white dwarfs
19	Tue	5	General relativity
21	Th	6	Equilibrium & stability of fluid configurations
26	Tue	7	Rotation & magnetic fields
28	Th	8	Stellar collapse & supernova explosions
Feb. 2	Tue	9	Cold equation of state above neutron drip
4	Th	10	Neutron star models: masses & radii
9	Tue	11	Pulsars
11	Th	12	Cooling of neutron stars
16	Tue	13	Black holes
18	Th	14	Compact X-ray sources
23	Tue	15	Accretion onto black holes
25	Th	16	Accretion onto neutron stars & white dwarfs
Mar. 2	Tue	17	Gravitational radiation
Mar. 4	Th	18	Supermassive stars & black holes
5	Fri		*** Research paper due! ***
9	Wed	19	– Research Paper Talks –
11	Fri	20	– Research Paper Talks –