

# STARS, GALAXIES, AND THE UNIVERSE

## Physics 2022 -- Spring 2009

Day	Date		Chapters	Homework Problems	Due	Observatory	Topic
M	Jan	5	1 - 3				Introduction
W	Jan	7	5	<b>Problem Set 1</b>			The Night Sky
F	Jan	9	13				The Night Sky
M	Jan	12	21, 22	<b>Problem Set 2</b>		<b>Class Night</b>	Light
W	Jan	14	23, 24		<b>1</b>		Light
F	Jan	16	25				Light
M	Jan	19	---	----			<b>HOLIDAY</b>
W	Jan	21	27 - 30	<b>Problem Set 3</b>	<b>2</b>		Telescopes & Observatories
F	Jan	23	49				Sun
M	Jan	26	51		<b>3</b>		Sun
W	Jan	28	---				Sun
F	Jan	30	---	----			<b>TEST 1</b>
M	Feb	2	52	<b>Problem Set 4</b>		<b>Class Night</b>	Distances & Velocities
W	Feb	4	54				Magnitudes
F	Feb	6	55	<b>Problem Set 5</b>			Spectral Types
M	Feb	9	16, 17, 56		<b>4</b>		Binary Stars
W	Feb	11	57 - 58		<b>5</b>		HR Diagrams
F	Feb	13	---	----			<b>TEST 2</b>
M	Feb	16	59 - 60	<b>Problem Set 6</b>		<b>Class Night</b>	Birth of Stars
W	Feb	18	50				Fusion
F	Feb	20	61				Star Clusters, ZAMS
M	Feb	23	62		<b>6</b>		Red Giants
W	Feb	25	63	<b>Problem Set 7</b>			Post Main Sequence
F	Feb	27	64				White Dwarfs
M	Mar	2	66			<b>Class Night</b>	Supernovae
W	Mar	4	65		<b>7</b>		Supernovae
F	Mar	6	---	----			<b>TEST 3</b>
M	Mar	9	67	<b>Problem Set 8</b>			Neutron Stars & Pulsars
W	Mar	11	68				General Relativity
F	Mar	13	68				Black Holes
M	Mar	23	72	<b>Problem Set 9</b>			Interstellar Medium
W	Mar	25	70, 71		<b>8</b>		Milky Way
F	Mar	27	73				Milky Way
M	Mar	30	74, 75			<b>Class Night</b>	Galaxies
W	Apr	1	76		<b>9</b>		Galaxies
F	Apr	3	---	----			<b>TEST 4</b>
M	Apr	6	77	<b>Problem Set 10</b>			Active Galaxies
W	Apr	8	77				Quasars
F	Apr	10	76				Structure of the Universe
M	Apr	13	79			<b>Class Night</b>	Cosmology
W	Apr	15	80				Cosmology
F	Apr	17	80		<b>10</b>		Cosmology
M	Apr	20	81				Early Universe
W	Apr	22	82				Early Universe
F	Apr	24	84				Extra-Terrestrial Life