

EL CAMINO COLLEGE RADIOLOGIC TECHNOLOGY PROGRAM- FALL 2011  
 RAD TECH 111 = FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY I  
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**LAB: FRIDAYS 9am-12:10pm OR 1pm- 4:10pm MCS 10**  
**\*\*Bring WB to All Lab Classes\*\***

W	DATE	LAB SCHEDULE	READING* ASSIGNMENTS
1	SEPT 2	Complete Radiographic & Fluoroscopic Equipment. Campus Scavenger Hunt, Intro to laboratory equipment (table top exposures), processing a CR cassette, Load and unload cassettes & Darkroom Principles.	Handouts  <u>*all students attend 8am – 4 :10pm*</u>
2	SEPT 9	Equipment Manipulation & Math problems	Bushong: Ch 2, 3, 15 & 40/worksheet-2-3-15-40 Statkiewicz: Ch 3, R.Q. # 1, 5, 6, 7, & 10
3	SEPT 16	Practice for equipment check-off	HW: worksheet-4-5-7
4	SEPT 23	<b>EQUIPMENT MANIPULATION CHECK-OFF</b>	HW: worksheet-6-8-9
5	SEPT 30	Technique Math Optical Density -effects of MAS and KVP	Math worksheet -15
6	OCT 7	Effects of penetration on contrast and density. Step wedge and densitometer	HW: worksheet-10/32 & Math worksheet Statkiewicz: Ch 2, R.Q.
7	OCT 14	Effects of MAS and SID in relation to density Inverse Square Law	HW: worksheet-33-36 & Math worksheet, Statkiewicz: Ch 1, 4, 5 & 6 R.Q. (#s on worksheet)
8	OCT 21	Effects of collimation and shielding on optical density	HW: worksheet-37-40 & Math worksheet, Statkiewicz: Ch 7, 8, 9, & 10(#s on worksheet)
9	OCT 28	Patient Care Lab	Adler & Carlton
10	NOV 4	Film screen exposures Cardboard vs. intensifying screens Grid errors	HW: worksheet-11-14 & Math worksheet
11	NOV 11	<b>HOLIDAY</b>	
12	NOV 18	Computed radiography image & technique changes	HW: worksheet-24 & Math worksheet
13	NOV 25	<b>HOLIDAY</b>	
14	DEC 2	Computed radiography (how low can you go?)	HW: worksheet-25-26 & Math worksheet
15	DEC 9	Photographic and geometric properties and artifacts	HW: worksheet-16-17-31 & Math worksheet
16	DEC 16	<b>REVIEW FINAL EXAM</b>	<b>Holiday Party</b>

\*\*Schedule is subject to change with prior notice from instructor\*\*