

MERCED COLLEGE

FLUOROSCOPIC RADIATION PROTECTION

Merced College Community Services presents a continuing education course in fluoroscopic radiation protection. This course is designed to provide an intensive review of the factors that contribute to good practice in fluoroscopic radiation protection and includes information concerning patient protection; operator protection; fluoroscopic equipment; regulatory requirements; general radiation protection criteria and quality assurance & control.

Individuals scheduled to write the state fluoroscopy permit exam will find this course an excellent critical review of radiation protection as it pertains to fluoroscopy. Individuals seeking to fulfill the mandatory continuing education requirements to maintain his/her radiographic/fluoroscopic certificate/permit will find this course helpful in reinforcing the key elements of radiation protection.

COURSE OBJECTIVES:

Upon completion of this course, the participant should be able to:

- ▶ Explain the function and operation of the fluoroscopic x-ray tube, fluoroscopic image chain, and image intensification unit
- ▶ Discuss the factors that affect fluoroscopic image contrast, resolution, distortion, and quantum mottle
- ▶ Discuss fluoroscopic regulations pertaining to exposure rate, equipment, patient safety and operator safety.

OUTLINE

I.	Introduction	6:00 p.m. - 6:10 p.m.
II.	Fluoroscopy & Ancillary Equipment	
III.	Patient Protection	
IV.	Operator Protection	
	BREAK	7:20 p.m. - 7:31 p.m.
V.	Regulatory Requirements	
VI.	General Radiation Protection Criteria	
VII.	Quality Assurance & Quality Control	
	EVALUATION	8:51 p.m. - 9:00 p.m.