

Preparing for the Limited License Core Exam in Radiologic Technology 2006

Presented by Ray Winters, M.S., RT(R)(CT)
Director of Radiologic Sciences at Arkansas State University

Friday Evening:

- 6:30 - 7:20 **Basic Physics and X-ray Production, X-ray Circuit and Tube Heat Management**
A look at the basic principles of physical science essential to an understanding of x-rays and their use. Includes the basic concepts of matter, energy, and electricity and relates these principles to radiography. Also includes x-ray tube structure, function and heat dissipation, and how these factors affect the primary beam
- 7:30 - 9:00 **Radiographic Accessory Equipment**
A look at the principles of film, screens, cassettes and other x-ray equipment. Composition of each and how it effects the image will be covered.

Saturday Morning and afternoon:

- 8:00 - 8:50 **Film Processing and Quality Assurance**
A review of the process of film development, image production and how we assure quality.
- 9:00 - 10:30 **Image Production and Evaluation**
A look at technical factors and their effects on the image
- 10:45 - 12:00 **Radiobiology & Radiation Protection**
The basics of how radiation effects human and how to protect you self and the patient.
- 12:00 - 1:00 **LUNCH on your own**
- 1:00 - 1:50 **Aspects of Patient Care**
A look at the basic aspects of patient care required of the technologist.
- 2:00 - 2:50 **Formulating X-ray Techniques**
The basics of kVp, mA and time, plus developing a technique chart.
- 3:00 - 4:00 **Mock Limited Exam** (results will be given in class.)
-

Dates and Place of the Seminar:

Jan 27 & 28	Arkansas Dept of Health Auditorium	4815 W. Markham	Little Rock
Apr 28 & 29	Arkansas Dept of Health Auditorium	4815 W. Markham	Little Rock
Oct 6 & 7	Arkansas Dept of Health Auditorium	4815 W. Markham	Little Rock

Cost: \$120 payable at the door
(Make checks payable to Ray Winters)

Seating for each session is limited and pre-registration is required by calling (870) 972-3329 or (870) 972-1883.