

Preparing for the Limited License Core Exam in Radiologic Technology 2010

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 - 8:40 **Film Processing and Quality Assurance**
A review of the process of film development, image production and how we assure quality.
- 8:45 - 10:20 **Image Production and Evaluation**
A look at technical factors and there effects on the image
- 10:20 - 11:20 **Radiobiology & Radiation Protection**
The basics of how radiation effects human and how to protect you self and the patient.
- 11:30 - 12:30 **LUNCH on your own**
- 12:30 - 1:10 **Aspects of Patient Care**
A look at the basic aspects of patient care required of the technologist.
- 1:15 - 1:45 **Formulating X-ray Techniques**
The basics of kVp, mA and time, plus developing a technique chart.
- 1:45 - 2:00 **Intro to Digital Imaging**
The basics of digital imaing technology as required by the ARRT
- 2:00 - 2:25 **Mock Limited Exam** (results will be given in class.)
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Dates and Place of the Seminar:

Jan 22 & 23	Arkansas Dept of Health Auditorium	4815 W. Markham	Little Rock
Apr 23 & 24	Arkansas Dept of Health Auditorium	4815 W. Markham	Little Rock
Oct 1 & 2	Arkansas Dept of Health Auditorium	4815 W. Markham	Little Rock

Cost: \$150 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.