5 Weeks Online Course

Course Schedule

Week 1

Patient Care

Contrast Agents

Week 2

Radiation Protection

Basic Principles of Diagnostic X-ray Physics

Week 3

Interaction of X-ray within the Patient

Milliampere—Seconds and

Kilovoltage— Peak

Week 4

Visibility Factors

Geometrical Factors

Week 5

Radiographic Procedures

Image Analysis / Pathology

X-RAY REGISTRY REVIEW MADE EASY COURSE

***All participants will receive a complimentary copy of the books "Diagnostic X-ray Layman's Terms: The Basis Concepts of Diagnostic X-ray Physics Made Easy (LJ Notes)", "Diagnostic X-ray Layman's Terms: Registry Review (LJ Notes)" and Course Materials.**

***Certificate of Course Completion**

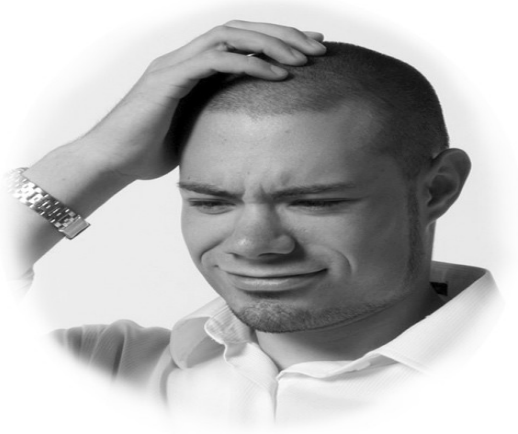
***Access to Instructor for X-ray questions and explanations**

*** See Terms and Conditions**

NEW AGE INNOVATIONS LLC.
P.O. BOX 28555
Birmingham, Alabama 35228

Website:
www.laymanterms.org
Phone:
205-541-0885
Fax:
205-663-1062
E-mail:
lawrencemcnair@laymanterms.org

X-RAY REGISTRY REVIEW MADE EASY COURSE



NEW AGE INNOVATIONS LLC.

TOUCHING LIVES ONE INNOVATION AT A TIME

AN EDUCATIONAL

SERVICE OF:

Objectives

1. To review the Principles of Diagnostic X-ray Safety.

2. To review the Types of Diagnostic Contrast

3. To review the Biological Aspects, Exposure Standards, and Monitoring of Diagnostic X-ray

4. To review the Basic Principles and Terms of Diagnostic X-ray Physics.

5. To review the Interaction of Radiation within the Patient.

6. To review the Concepts of MAS and KVP.

7. To review the Visibility and Geometrical Factors of Diagnostic X-ray.

8. To review the Radiographic Procedures of Diagnostic X-ray.

LAWRENCE MCNAIR JR.,
M.P.H., R.T. (R) (CT) (MR)

Lawrence McNair is currently working as an independent consultant with New Age Innovations LLC, providing MRI, CT, and X-ray education and operations consulting. Lawrence is the author of "MRI Layman's Terms Registry Review (LJ Notes)", "MRI Layman's Terms: The Basis Concepts of MRI Physics Made Easy (LJ Notes)", "CT Layman's Terms Registry Review (LJ Notes)", "CT Layman's Terms : The Basic Concepts of CT Physics Made Easy (LJ Notes)", "Diagnostic X-Ray Layman's Terms: The Basis Concepts of Diagnostic X-Ray Physics Made Easy (LJ Notes)" and "Diagnostic X-Ray Layman's Terms Registry Review (LJ Notes)". Lawrence approach to this course is always entertaining and informative. Lawrence McNair's website is www.laymanterms.org.

COURSE OBJECTIVE

This course is designed to provide a comprehensive review of Diagnostic Radiologic Technology and a step by step method of preparation for successful completion of the America Registry of Radiologic Technologists (ARRT) X– ray Registry Exam. This course is also designed for students that had a difficult time passing the X-ray Registry in the past.

Sample of Topics Covered

Bremsstrahlung and Characteristics Radiation

Attenuation and Subject Contrast

Photoelectric and Compton Effect

Reciprocity Law and Inverse Square Law

MAS, KVP and Density Changes

Grids, Focal Spot, and Shape Distortion

SID, OID, and Magnification

Radiologic Landmarks and Positioning Terms

Types of Radiographic Fractures

Types of Image Pathology

X-ray Tube Components

Anode Heel Effect and 15 Percent Rule