

Virginia Western Community College

RAD 115

Principles of Magnetic Resonance Imaging

Prerequisites

ARRT Registered or Registry Eligible.

Course Description

Presents concepts of Magnetic Resonance Imaging and Physics. Teaches fundamentals of Magnetic Resonance and application of principles.

Semester Credits: 3

Lecture Hours: 3

Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:

MRI Bioeffects, Safety, and Patient Management. Shellock, F. et al, (2014). Biomedical Research Publishing. ISBN: 9780989162320-

MRI in Practice. Westbrook, C., Roth, C. & Talbot, J. (2011). 4th Edition. Wiley-Blackwell.
ISBN: 9781444337433

Handbook of MRI Technique. Westbrook, C. 2008. 3rd Edition. Wiley-Blackwell.
ISBN: 978140518

Supplementary Materials:

All you really need to know about MRI Physics. NessAiver, Moriel (1977). Rittenhouse Book Distributors, Inc. ISBN: 096690820X

Course Outcomes

At the completion of this course, the student should be able to:

Topical Description

Note to Instructors