RAD 212 – SPECIAL PROCEDURES
SUMMER 2014

INSTRUCTOR: Steven C. Jensen, Ph.D.

CONTACT INFORMATION: Phone - (618) 559-2004
Email- sjensen@siu.edu

COURSE DESCRIPTION: Special procedures include the study of contrast producing agents
which are used to visualize specific parts of the body. Radiographic technique utilized in this
type of imaging is highly specialized and will be studied in depth. Areas of study may include
Angiography, Computed Tomography, Magnetic Resonance Imaging, Ultrasound and Radiation
Therapy.

PREREQUISITE: RAD 222 or consent

TEXTBOOKS:

Required:

There are no required texts for RAD 212. Students will be provided course materials as
needed.

Supplemental references:

Bushong, S.C. (2012). Radiologic science for radiologic technologists: physics, biology,

Frank, E.D., Long, B.W. and Smith, B.J. (2012). Merrill’s atlas of radiographic positions

COURSE OBJECTIVES:

Upon completion of this course, the student shall be able to:

1. Identify the functions and restrictions of the contrast media used in special
   procedures.
2. Demonstrate the concepts of sterile technique.
3. Given a line drawing or radiograph from a special procedure exam, identify the
   demonstrated anatomy.
4. Discuss the medical-legal aspects of special procedures.
5. Discuss the protocols for the various special procedures discussed in class.

ATTENDANCE:

Two percent of total course grade will be deducted for every class missed. Ten minutes
late to class without instructor approval counts as an absence.
MEANS OF STUDENT EVALUATION:

Grades will be determined by:

1. Test Performance..................70%
2. Quizzes/Homework...............30%
3. Attendance..........................(2% total grade reduction for each class missed without instructor approval).

GRADING SCALE:

93-100 = A  
85-92 = B  
77-84 = C  
70-76 = D  
0 -69 = F
Topical List, RAD212

General
Sterile Technique
Aortography
Venography
Arthrography
Myelography
Hysterosalpingography
Cholecystography
Pulmonary Angiography
Cardiac Angiography
Splenic Angiography
Mesenteric Angiography
Iliac Angiography
Cerebral Angiography
Interventional Procedures Generally
Stenting Specifically
Angioplasty Specifically
Thrombosis Specifically

MRI
Physics
Brain
Spine
Upper Extremity
Lower Extremity

CT
Physics
Chest
Abdomen
Pelvis
Cardiac

Ultrasound
Physics
Abdomen
OB/Gyn
Radiation Therapy
Physics
Dosimetry
Treatment