

MASTER SYLLABUS

COURSE NUMBER AND TITLE:

RAD 212-2 Special Radiographic Procedures

COURSE DESCRIPTION:

Includes the study of contrast producing agents which are used to visualize specific parts of the body. Radiographic technique employed in this type of imaging is highly specialized and will be studied in depth.

COURSE OBJECTIVES:

1. Identify the functions and restrictions of the contrast agents used in special procedures.
2. Demonstrate the concepts of sterile technique
3. Demonstrate the concepts of venipuncture.
4. List and describe the equipment required for each exam/procedure classified as a special procedure.
5. Given a radiograph from a special procedure exam, identify the demonstrated anatomy.
6. Discuss the medical-legal aspects of special procedures.
7. Utilize the procedures and protocols for the various special procedures presented in class.

COURSE OUTLINE:

PERCENTAGE:

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|---------------------------------------|-----|
| 1. Physical facilities and equipment | 5% |
| 2. Venipuncture and sterile technique | 10% |
| 3. Central nervous system | 10% |
| 4. Cerebrovascular circulation | 15% |
| 5. Cardiopulmonary circulation | 15% |
| 6. Systemic Circulation | 15% |
| 7. Lymphangiography | 5% |
| 8. Skeletal system | 5% |
| 9. Contrast agents (Contrast media) | 10% |
| 10. Medical and legal issues | 10% |

MEANS OF STUDENT EVALUATION:

Grading Scale

93 - 100 =A

85 - 92 =B

75 - 84 =C

0 - 74 =F

PREREQUISITES: RAD 222 with a minimum grade of C

Co-REQUISITES: RAD 232 and RAD 232L

TEXTBOOKS:

1. Tortorici, M.R. (2014). Advanced Radiographic and Angiographic Procedures: With an Introduction to Specialized Imaging, 2nd edition. Philadelphia, PA: F.A. Davis Company. ISBN-13: 978-0803612556.
2. Frank, E.D., Long, B.W. & Smith, B.J. (Ed.). (2019). Merrill's Atlas of Radiographic Positions and Radiologic Procedures, 14th edition. 3 Volume Set. St. Louis, MO: Elsevier Science/Mosby, Inc.
3. Frank, E.D., Long, B.W. & Smith, B.J. (Ed.). (2019). Workbook for Merrill's Atlas of Radiographic Positions and Radiologic Procedures, 14th edition. St. Louis, MO: Elsevier Science/Mosby, Inc.