

RADT 65 Course Outline as of Fall 2000**CATALOG INFORMATION**

Dept and Nbr: RADT 65 Title: PATHOLOGY IN RADIOLOGY

Full Title: Pathology in Radiology

Last Reviewed: 9/25/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

Guest lecturers cover all aspects of radiographic pathology, including normal variations and abnormal changes due to diseases and trauma. Modifications of standard and special techniques necessary to obtain high quality diagnostic radiologic studies.

Prerequisites/Corequisites:

Admission to the Radiologic Technology program or possession of licensure as a radiologic technologist; RADT 63B.

Recommended Preparation:**Limits on Enrollment:****Schedule of Classes Information:**

Description: Guest lecturers cover all aspects of radiographic pathology, including normal variations and abnormal changes due to diseases and trauma. Research paper. (Grade Only)

Prerequisites/Corequisites: Admission to the Radiologic Technology program or possession of licensure as a radiologic technologist; RADT 63B.

Recommended:

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 1981	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

The students will:

1. produce a research paper on an appropriate topic within the scope of medical imaging practices;
2. write in the AMA style;
3. recognize common pathological conditions and processes on radiographic images of the gastrointestinal, genitourinary, musculoskeletal, nervous, respiratory, and circulatory systems;
4. recognize trauma to bones and soft tissue on radiographic images;
5. recognize common pathological conditions on radiographs of pediatric cases;
6. become familiar with various modalities in medical imaging, such as radiation therapy, nuclear medicine, MRI, and ultrasound.

Topics and Scope:

1. Guest lecturers cover all aspects of radiographic pathology, including normal variations and abnormal changes due to diseases and trauma.
2. General and specific pathology as shown on radiographs and in the field of radiologic technology.
3. Diagnostic imaging modalities.
 - A. Ultrasonography.
 - B. Nuclear medicine.
 - C. Magnetic resonance imaging.
4. Radiation therapy, education and career choice.
5. Overview of radiographic pathology as lectured by radiologists and other experts.
6. Current technical advancements in the diagnostic imaging.
 - A. Interventional radiology.

- B. Therapeutic radiology
7. Modifications of standard and special techniques necessary to obtain optimum diagnostic radiographic studies.

Assignment:

1. Research paper on a pathological condition case study or scientific subject pertaining to medical imaging.
2. Weekly reading, written or other assignments

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Term papers, TEN-PAGE RESEARCH PAPER

Writing
70 - 90%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving
0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

None

Exams
0 - 0%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance

Other Category
10 - 30%

Representative Textbooks and Materials:

Radiographic Pathology for Technologists, Mace - 1999