



## MASTER COURSE OUTLINE

### A. RADT 2287 Practicum Radiography III

### B. COURSE DESCRIPTION:

This course is the final radiography practicum education course. The student is assigned to the practicum site for thirty two hours per week with varying rotations. The student demonstrates performance competency in radiographic examinations of the skull, facial bones, paranasal sinuses, upper and lower GI systems, gallbladder, urinary system, and basic CT skills. The student maintains competencies from both prior practicum education courses and performs competency evaluations on any procedures still needed from either course. Involvement in specialty areas is encouraged. The student demonstrates increased proficiency, accuracy, and speed in the radiographic procedures. Critical thinking and problem solving are expected. The student demonstrates professional interactions and work ethics in the practicum setting. The radiography program staff monitors progress and performance evaluations. Prerequisites: RADT 2220, 2239. This course is part of the Radiography program which is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

**(7 Cr – 0 lect, 0 lab, 7 off campus lab)**

### C. \*\*Core Theme: Critical Thinking

### D. RIVERLAND INSTITUTIONAL LEARNING OUTCOMES:

This course addresses the following Riverland Institutional Learning Outcome(s):

- ILO 1: critical thinking (*Core Theme Goal 2*)
- ILO 2: awareness of the larger global community (*Core Theme Goal 7 or Goal 8*)
- ILO 3: ethical, engaged citizenship (*Core Theme Goal 9 or Goal 10*)
- ILO 4: communication and collaboration (*Discipline Goal 1 and by any learning outcome(s) involving communication or collaboration*)

### E. MAJOR CONTENT AREAS:

- Professional interactions
- Radiographic equipment
- Requisition interpretation
- Exam protocols and procedures
- Radiation protection
- Patient care and communication skills
- Image processing/storing
- Work ethics

- Standard precautions
- Critical thinking/problem solving skills
- Practicum I or II competencies
- Facial bone exam competency
- Skull exam competency
- Paranasal sinus exam competency
- Upper and Lower GI exam competency
- Urinary system exam competency
- CT exam competencies
- Skeletal examinations
- Geriatric radiography
- Pediatric radiography
- Trauma radiography
- Mobile radiography
- Surgical radiography
- Special procedures and modalities
- Image critique
- Radiographic anatomy
- Accurate recordkeeping

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u> Students will be able to	<u>OUTCOMES</u> The student will successfully
<u>**Critical Thinking</u>	gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.	1. critique radiographic images for positioning and technique requirements.
<u>CS</u>	identify anatomy and positioning requirements.	1. identify the anatomy demonstrated after proper positioning.
<u>CS</u>	understand the principles of radiation protection.	1. utilize radiation protection.
<u>CS</u>	understand appropriate communication skills.	1. demonstrate appropriate communication skills.
<u>CS</u>	maintain and complete additional exam competencies.	1. demonstrate proficiency bypassing competency exams.
<u>CS</u>	improve self-confidence and accuracy in radiographic exams.	1. demonstrate exam competency with indirect supervision in the practicum setting.
<u>CS</u>	experience various modalities and experiences in the radiology department.	1. maintain and monitor a record of participation in various modalities and experiences.
<u>CS</u>	identify positioning errors on radiographic images.	1. make necessary decisions/changes to images to obtain the highest quality.

G. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a disability and need accommodations should contact Accessibility Services at the beginning

of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

Riverland Community College is an affirmative action, equal opportunity employer and educator. This document is available in alternative formats to individuals with disabilities, consumers with hearing or speech disabilities may contact us via their preferred Telecommunications Relay Service.

H. COURSE CODING INFORMATION:

Course Code X/Class Maximum 20; Letter Grade

Revision date: 03/30/16; 11/29/17; 03/30/22; 04/04/23

AASC Approval date: 12/12/17, 05/03/22; 05/02/23

<b>*Riverland Community College Disciplines</b>	<b>MnTC Goal Number</b>
Communication (CM)	<b>1</b>
Natural Sciences (NS)	<b>3</b>
Mathematics/Logical Reasoning (MA)	<b>4</b>
History and the Social & Behavioral Sciences (SS)	<b>5</b>
Humanities and Fine Arts (HU)	<b>6</b>

<b>**Riverland Community College Core Themes</b>	<b>MnTC Goal Number</b>
Critical Thinking (CT)	<b>2</b>
Human Diversity (HD)	<b>7</b>
Global Perspective (GP)	<b>8</b>
Ethical and Civic Responsibility (EC)	<b>9</b>
People and the Environment (PE)	<b>10</b>

\*These five MnTC Goals have been identified as Riverland Community College Disciplines.

\*\* These five MnTC Goals have been identified as Riverland Community College Core Themes.

NOTE: The Minnesota Transfer Curriculum “10 Goal Areas of Emphasis” are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.