



MASTER COURSE OUTLINE

A. RADT 1281 Practicum Radiography I

B. COURSE DESCRIPTION:

This course is the first of four practicum education courses. The student is assigned to the practicum site for sixteen (16) hours per week. Under the supervision of a practicum instructor, the student gains competency in radiography of the chest, abdomen, upper limb, shoulder girdle, and lower limb, including for pediatric and geriatric patients. The student practices skills and demonstrates competency in radiographic processing, patient care, radiation protection, and general radiographic procedures and image critique. The student demonstrates professional interactions and work ethics in the practicum setting. The radiography program staff monitors progress and performance evaluations. The students will participate in on-line discussions to gain knowledge of the different practicum sites and experiences. The student will maintain appropriate records: timekeeping, competency log, and evaluations. Prerequisites: Admission to the Radiography Program. This course is part of the Radiography program which is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

(6 Cr – 0 lect, 6 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
- Patient transfer techniques
- Image processing/storing

- Work ethics
- Standard precautions
- Chest exam competency
- Abdominal exam competency
- Upper limb exam competency
- Shoulder girdle exam competency
- Lower limb exam competency
- Geriatric radiography
- Pediatric radiography
- Mobile radiography
- Surgical radiography
- Image critique
- Radiographic anatomy
- Accurate recordkeeping

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u>	<u>OUTCOMES</u>
<u>*Critical Thinking</u>	Students will be able to 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.	The student will successfully 1. critique radiographic images for positioning and technique requirements.
<u>CS</u>	apply appropriate medical terminology as it relates to radiographic equipment.	1. demonstrate proficiency in using appropriate medical terms as it relates to the practicum setting and radiographic equipment.
<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>	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.

H. COURSE CODING INFORMATION:

Course Code X/Class Maximum 20; Letter Grade

Revision date: 08/26/15; 11/29/17; 03/30/22; 10/01/24

AASC Approval date: 12/12/17; 05/03/22; 11/19/24

*These five MnTC Goals have been identified as Riverland Community College Core Themes. Every course in the Riverland Community College curriculum shall meet outcomes from one of these themes.

**These five MnTC Goals have been identified as Riverland Community College Disciplines. Riverland’s MnTC courses also shall meet outcomes from a Discipline Area.

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.

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

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