

## Elective Description

**Campus:** Northeast (Grand Forks)

**Elective/Experience Title:** Diagnostic Radiology

**Location of Elective:** Altru Health System - Grand Forks, ND

**Department:** Radiology

**Course Number:** RAD 9302-01

**Preceptor(s):** Bernie Dallum, MD; Adam McGaurvan, MD; Daniel Salvaggio, MD; and Jody Treuer, MD

**Period(s) Offered:** All periods

**Number of students per period:** 1

**Purpose:** To experience and observe the practice of general radiology while learning basic concepts in medical imaging.

**Objectives:** Following successful completion of this elective, the student will be able to:

1. Correctly identify all major modalities and relevant anatomy in imaging studies.
2. Succinctly give a short differential of major pathology found on imaging studies.
3. Manage imaging decision-making in a clinical context.
4. Successfully navigate modern PACS systems and workstations.

**Instructional Activities:** During this elective, the student will be involved in/experience:

1. Reading of standard text books and primary literature to expand understanding of disease presentation through imaging.
2. Assisting the preceptor with data gathering available in the imaging or clinical records.
3. Limited communication of findings to relevant colleagues.
4. Manipulation of images in a PACS environment.

**Criteria for Grading:** During and following this elective, the preceptor will:

1. Judge the student's visual awareness of significant pathology on studies via case-to-case reviews of images.
2. Evaluate the communication skills of the student through descriptions of pathologic imaging findings.
3. Discern how well the student might utilize imaging resources as a clinician by discussion of reviewed cases.
4. Assess appropriateness of differential diagnosis based on presented pathology seen during workstation reviews.
5. Utilize the standardized UNDSMHS senior elective form.