

## Phase 2/3 Elective Description

**Campus:** Southeast (Fargo)

**Department:** Internal Medicine

**Elective/Experience Title:** Cardiology

**Course Number:** IMED 9220-04

**Location of Elective:** Essentia Health St. Joseph's – Brainerd Clinic

**Preceptor(s):** Eric Fenstad, MD

**Period(s) Offered:** All

**Course prerequisites:**

**Number of students per period:** 1

**Revised Curriculum Phase(s):** 2 & 3

**Purpose:** To provide education and experience in the care of adult patients requiring cardiology services.

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

1. Execute an accurate and detailed cardiac history (*Competency 3.1*).
2. Execute and generate an interpretation of an appropriate cardiovascular exam (*Competency 3.1, 3.3*).
3. Generate an appropriate diagnostic and treatment plan for patients with cardiac complaints or conditions (*Competency 2.7, 3.2, 3.3, 3.4*).
4. Successfully execute daily ward rounds and consultations (*Competency 3.1, 3.2, 3.3, 3.4, 3.5*).
5. Generate accurate written documentation for histories and physicals, daily progress notes, consultation notes and study interpretations (*Competency 3.7*).
6. Demonstrate the ability to interpret EKGs and stress EKGs at a level consistent with a fourth-year medical student (*Competency 3.3*).
7. Summarize the indications for stress tests and cardiac catheterization (*Competency 2.5, 2.6*).
8. Choose to communicate effectively in a "360" fashion with the medical team, patients and families (*Competency 3.7, 4.1, 4.2, 4.3, 4.4, 4.8*).
9. Execute cardiac procedures with appropriate supervision (*Competency 3.6*).

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

1. Cardiology hospital rounds and cardiology consultations.
2. Echocardiography laboratory including participation in the performance of stress echocardiography.
3. Cardiac catheterization laboratory (coronary and vascular).
4. ICU and CCU rounds.
5. Cardiology clinic.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Evaluate through direct observation the student's skill at conducting ward rounds and consultations (*Objective 1, 2, 3, 4*).
3. Evaluate the student's ability to perform a cardiac consultation, make an appropriate diagnosis and suggest therapy following discussion with faculty (*Objective 1, 2, 3, 4*).
4. Evaluate through direct observation the student's ability to interpret EKGs (*Objective 6*).

5. Evaluate the student's knowledge of cardiology through discussions of selected patients, selected readings, and literature searches as directed by the preceptor (*Objective 1, 2, 3, 4, 5, 6, 7*).
6. Evaluate the student's written material including progress notes, histories and physicals, consultation notes and study interpretation (*Objective 5*).
7. Evaluate through direct observation the student's ability to communicate in a "360°" fashion (*Objective 8*).
8. Evaluate through direct observation the student's skill in performing the procedures completed during the rotation. (*Objective 9*).