

## Elective Description

**Campus:** Southeast Campus (Fargo)

**Elective Title:** Pediatrics Cardiology

**Location of Elective:** Sanford Children's Hospital and Medical Group- Fargo, ND

**Department:** Pediatrics

**Course Number:** PED 9204

**Preceptor(s):** Justin Horner, MD; Michele Pasierb, MD; Alex Thompson, MD & Matthew Trefz, MD

**Period(s) offered:** All

**Number of students per period:** 1

**Course prerequisites:**

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

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

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

1. Demonstrate the knowledge of the important historical and physical features of children with cardiac problems.
2. Explain the natural history of common cardiac diseases in children.
3. Describe the role of diagnostic and technical interventions in children with heart disease.
4. Differentiate normal from abnormal common cardiac complaints such as functional murmurs, benign chest wall pain and simple syncope.
5. Interpret basic electrocardiograms.

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

1. Pediatric cardiology inpatient rounds and consultations under the directorship of the preceptor.
2. Pediatric cardiology outpatient clinics under the direction of the preceptor.
3. Discussions with the preceptor of assigned readings.
4. The observation of pediatric cardiology procedures such as cardiac catheterization and echocardiography.
5. The reading and interpretation of pediatric electrocardiograms.

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

1. Evaluate by direct observation the quality and timeliness of assigned tasks.
2. Evaluate the appropriate completion of assigned reading materials and tasks.
3. Evaluate by direct observation the student's skills in caring for children with cardiac disease.
4. Utilize the standardized UNDSMHS senior elective evaluation form.