

## Elective Description

**Campus:** Southeast (Fargo)

**Department:** Internal Medicine

**Elective/Experience Title:** Endocrinology and Metabolism

**Course Number:** IMED 9214

**Location of Elective:** Sanford Health System & Fargo VA Regional Medical Center – Fargo, ND

**Preceptor(s):**

|                               |                        |                    |
|-------------------------------|------------------------|--------------------|
| - Niyutchai Chaithongdi, MD   | - Darshan Khangura, MD | - David Newman, MD |
| - Soamsiri Niwattisaiwong, MD | - Raul Ruiz, MD        | - Brad Smith, MD   |

**Period(s) Offered:** all

**Course prerequisites:**

**Number of students per period:** 1

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

**Purpose:** To increase the student's knowledge and clinical skills in endocrinology/metabolism.

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

1. Relate the basic pathophysiology, identify appropriate treatment, and select appropriate management for common metabolic and endocrine diseases (diabetes mellitus, thyroid disorders, dyslipidemias, calcium disorders, and amenorrhea).
2. Interpret basic endocrine laboratory (glucose, TSH, fine-needle aspiration of thyroid nodules, calcium, and PTH) and summarize the laboratory approach to more complex endocrine disorders (pituitary disorders, cushings syndrome, hyperaldosteronism, pheochromocytoma, hyperandrogenemesis state, and hypogonadism).
3. Prepare, summarize, and present clinical case material to preceptors, didactic sessions, and conferences.

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

1. Inpatient endocrinology consultations at the Fargo Veterans Regional Medical Center.
2. Didactic sessions regarding endocrinology/metabolic disorders.
3. Endocrinology/metabolism clinics at the Fargo Veterans Regional Medical Center and the Fargo Sanford Health Care System clinics at Southpointe.
4. Weekly endocrinology clinical case conference at Sanford Health System, Southpointe.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Directly observe the student's data collection, data interpretation, and patient care skills including physical examination.
3. Directly observe the student's endocrinology/metabolism knowledge both at baseline and its improvement during the elective.
4. Directly observe the student's communication skills both with the patient and with the healthcare team.