

## Elective Description

**Campus:** Southeast (Fargo)

**Department:** Internal Medicine

**Elective/Experience Title:** Oncology and Hematology

**Course Number:** IMED 9211-02

**Location of Elective:** Essentia Health Fargo

**Preceptor(s):** Nathan Kobrinsky, MD

**Period(s) Offered:** prior arrangement and permission of the faculty

**Course prerequisites:**

**Number of students per period:** 1

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

**Purpose:** To improve the student's knowledge and clinical skills in hematology/oncology.

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

1. Recognize common presenting clinical features of various neoplastic diseases.
2. Recognize common para-neoplastic phenomenon and syndromes.
3. Present the diagnostic and therapeutic approaches to patients with: pleural effusion, superior vena cava syndrome, spinal cord compression, CNS metastasis, pancytopenia, anemia, and infection in the immune-compromised host.
4. Describe the multidisciplinary approach to oncology utilizing surgery, radiation therapy, chemotherapy, and immunotherapy in the treatment and management of patients with malignant diseases.
5. Report the identifying etiologies responsible for anemia, leukopenia, and thrombocytopenia.
6. Evaluate hemostatic emergencies and coagulopathies.
7. Recite the relative curability statistics of common malignant tumors.
8. Describe pain management and palliative care in the oncology patient.

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

1. Oncology/hematology patient rounds
2. Inpatient consultations
3. Didactic lectures in hematology/oncology
4. Tumor conferences
5. Work up and evaluation of oncology patients
6. Interpretation of bone marrow biopsies, peripheral blood smears, and coagulation data
7. Reading and discussing assigned textbook and journal articles

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Directly review the student's written histories and physicals and consultation documentation.
3. Review the student's ability to identify disease process and pathophysiology.
4. Evaluate by direct observation the student's interaction with patients including the student's physical examination skills, interpretive skills, and communication skills.
5. Directly observe the student's oral presentation skills for organization, clarity, and focus. Directly review the student's interpretive skills regarding the quality of journal article and textbook background research.