

## Elective Description

**Campus:** Southeast (Fargo)

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

**Location of Elective:** Sanford Health System - Fargo, ND

**Department:** Internal Medicine

**Course Number:** IMED 9211-01

**Preceptor(s):**

- Ammar Alzoubi, MD	- Jarrett Failing, MD	- Anu Gaba, MD
- Mark Gitau, MD	- Mahendra Gupta, MD	- Amit Panwalkar, MD
- Denise Snow, MD	- Preston D Steen, MD	- Shelby Terstriep, MD
- Matthew Tinguely, MD	- Radhakrishna Vegunta, MD	- Abdallah Abou Zahr, MD
- Jeffrey Wiisanen, MD	- Abdallah Abou Zahr, MD	

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

**Number of students per period:** 1

**Course prerequisites:**

**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 immunocompromised 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.