

## Elective Description

**Campus:** Southeast (Fargo)

**Elective/Experience Title:** Introduction to PM & R

**Location of Elective:** Essentia Health Care System– Fargo, ND

**Preceptor(s):** Dennis Sollom, MD

**Period(s) Offered:** All

**Number of students per period:** 1

**Department:** Internal Medicine

**Course Number:** IMED 9224-02

**Course prerequisites:**

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

**Purpose:** To increase the student's knowledge and clinical skills in physical medicine and rehabilitation.

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

1. Describe the basic rehabilitation needs of handicapped persons, and persons with chronic neuromusculoskeletal disease.
2. Perform a complete neuromusculoskeletal examination including manual muscle testing; ROM measurement, and sensory, coordination and reflex testing.
3. Demonstrate the basics of electro-diagnostics.
4. Report a rational method for prescribing therapies.
5. Discuss the proper orders for amputee prosthetics and orthotics devices with a rehabilitation team

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

1. Patient evaluations of clinical patients, hospital admissions and consultations
2. NCV/EMG examinations, Botox injections for spasticity, and trigger point injections for fibromyalgia under the direct supervision of the preceptor.
3. Team conferences, patient follow-up visits and therapy sessions
4. Orthotics/prosthetics clinic two times a month at Essentia Health – Fargo
5. An oral presentation on a topic of student interest.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Evaluate by direct observation the student's ability to perform a thorough neurological/functional examination of the patient with chronic disease and transcribed that exam into appropriate ordering of therapies.
3. Evaluate by direct observation the student's ability to interpret a basic NCV/EMG examination and give a diagnosis.

4. Evaluate by direct observation the student's ability to prescribe necessary components of a lower- extremity amputee's prosthesis.
5. Evaluate by direct observation the student's ability to complete a mental status exam and predict from that how a patient might participate in therapy or be able to function in the community and with what level of supervision.
6. Evaluate the student's written and verbal communications to ensure appropriate "360" communications between the patient and all members of the rehabilitation team.