

**Campus:** Southeast (Fargo)

**Elective/Experience Title:** Internal Medicine Online

**Location of Elective:** ONLINE

**Department:** Internal Medicine

**Course Number:** IMED 9103-04

**Preceptor(s):** Dr. Dinesh Bande, Dr. Devendranath Mannuru, Dr. Laura Nichols, Dr. John Hagan, Dr. Candice Crichlow

**Period(s) Offered:**

**Number of students per period:**

**Course Prerequisites:**

**Revised Curriculum Phase(s):**

**Purpose:** To gain knowledge of common internal medicine disease processes. Additionally, to gain skills in preparation for intern year.

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

1. Demonstrate the knowledge of how to respond to cross cover calls as an intern.
2. Develop basic differential diagnosis for common presenting symptoms.
3. Demonstrate the knowledge of components of a H and P, progress notes and discharge summary as it related to billing and coding.
4. Develop basic treatment plans for common diagnoses in internal medicine like COPD, CHF, MI etc.
5. Demonstrate the knowledge of presentation, work up, management of COVID 19.
6. Demonstrate the knowledge of management of rapid responses and code blues as an intern.
7. Demonstrate the knowledge of reading an EKG.
8. Develop understanding of social determinants of health and their relevance to health care.

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

1. Completion of Aquifer Wise On-Call case list:
  - a. Abdominal Pain
  - b. Acute Chest Pain
  - c. Acute Pain Management
  - d. Certifying a Death
  - e. Documentation for Patient Safety
  - f. Dyspnea
  - g. Fever and Sepsis
  - h. Hypertension
  - i. Hypotension
  - j. Loss of Consciousness
  - k. Lower Extremity Pain
  - l. Oliguria
2. Completion of Aquifer cases:
  - Aquifer High Value Care*
    - a. HVC 01: The importance of clinical reasoning
    - b. HVC 02: Making diagnostic testing count
    - c. HVC 05: high value care in the inpatient setting
    - d. HVC 06: Paying for value: insurance part 1
    - e. HVC 09: Redefining value at end of life
  - Aquifer diagnostic excellence*
    - f. DX Mini-case 03A: internal medicine
    - g. DX Mini-Case 05A: internal medicine

3. Online sessions via Zoom:
  - a. Transition to being an intern – Dr. Dinesh Bande, 2 hours
  - b. Covid19 – recorded lecture by Dr. Paul Carson, 1.5 hours
  - c. Inpatient Documentation/note writing – Dr. Devendranath Mannuru, 1.5 hours
  - d. Outpatient Documentation/note writing – Dr. Laura Nichols, 1 hour
  - e. Diversity in Medicine – Dr. John Hagan and Dr. Candice Crichlow, 1.5 hours
  - f. Cross-cover call – Dr. Dinesh Bande, 2 hours
  
4. Read the following articles and write a brief statement on which article is most impactful to you:
  - a. NEJM Acute Severe Hypertension
  - b. NEJM Update on Clinical Aspects of Chronic Obstructive Pulmonary Disease
  - c. NEJM Cryptogenic Stroke
  - d. NEJM Heart Failure with Preserved Ejection Fraction
  
5. 25 question quiz via AccessMedicine Harrison’s Principles of Medicine with a passing score of 80%. (may retake until 80% achieved)

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

1. Utilize the standardized UNDSMHS virtual senior elective evaluation form.
2. Evaluate the student’s knowledge on Zoom topics by direct evaluation of student’s participation in the session.
3. Evaluate by review of the student’s completion of Aquifer cases knowledge of common internal medicine diseases.
4. Grade will be pass/fail. Pass = all 12 modules complete, attendance at four sessions, and complete quiz