

Elective Description

Campus: Bismarck (Southwest)

Department: Internal Medicine

Elective/Experience Title: Internal Medicine Online

Course Number: IMED 9103-04

Location of Elective: Virtual

Preceptor(s): Dr. Dinesh Bande, Dr. Devendranath Mannuru, Dr. Laura Nichols, Dr. Erik Heitkamp

Period(s) Offered: Phase 3 electives. Only available when clinical sites closed to students

Number of students per period:

Course Prerequisites: IM clerkship

Revised Curriculum Phase(s): 2 & 3

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 how to respond to cross cover calls as an intern (competency 2.5, 3.4)
2. Generate basic differential diagnosis for common presenting symptoms (competency 2.5, 2.7, 3.3)
3. Summarize the components of a H and P, progress notes and discharge summary as they relate to billing and coding (competency 2.10)
4. Generate basic treatment plans for common diagnoses in internal medicine, for example: COPD, CHF, MI (competency 2.4, 2.6, 3.4)
5. Summarize the presentation, work up, and management of COVID 19 (competency 2.4, 3.1, 3.2, 3.3, 3.4)
6. Demonstrate, via discussion of algorithms and case studies, the management of rapid responses and code blues required of an intern (competency 3.5)
7. Demonstrate the ability to read EKG (competency 3.6)
8. Summarize the relevance of social determinants of health to health care. (competency 2.8, 2.9)

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%.

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

- 1. Utilize the standardized UNDSMHS virtual senior elective evaluation form. (*This needs to be listed on each elective description.*)
- 2. Evaluate the student’s knowledge on Zoom topics by direct evaluation of student’s participation in the session. (objective 1, 3, 5, 6, 7, 8)
- 3. Evaluate by review of the student’s completion of Aquifer cases knowledge of common internal medicine diseases. (objective 2, 4)
- 4. Grade will be pass/fail. Pass = all 12 modules complete, attendance at four sessions, and complete quiz successfully. The student will be allowed three attempts to pass the quiz.

Failure of this course will require a 4-week successful remediation or selection and successful completion of another elective to fulfill required credit.