**Inpatient Internal Medicine Rotation Learning Outcomes:**

Upon completion of IM I & II, the clinical year PA student will possess **the medical knowledge, clinical and technical skills, interpersonal skills, professional behaviors, clinical reasoning and problem-solving abilities** necessary to demonstrate entry-level proficiency through demonstration of the following:

To obtain the following RLO’s, students will participate in clinical care of adult and elderly patients requiring assessment and management of acute and chronic encounter types in an inpatient setting.

1. Gather an appropriate history for acute and chronic encounters in adult and elderly patients in an inpatient internal medicine setting. (C2)
2. Perform a problem-focused physical exam for acute and chronic encounters in adult and elderly patients in an inpatient internal medicine setting. (C3)
3. Formulate an appropriate differential diagnosis based on pertinent history and physical exam findings for acute and chronic conditions in adult and elderly patients in an internal medicine setting. (C6)
4. Order and interpret laboratory and diagnostic studies indicated for the evaluation of acute and chronic conditions seen in an inpatient internal medicine setting. (C4)
5. Develop ongoing monitoring plans for the management of patients in an inpatient internal medicine setting. (C1)
6. Effectively present the relevant findings of the history and physical exam to the preceptor in an organized, concise manner. (C7)
7. Recommend appropriate treatment plans implementing pharmacological and non-pharmacological approaches in adult and elderly patients in an internal medicine setting. (C1)
8. Recognize potential complications or sequelae of acute and chronic diseases commonly seen in an inpatient internal medicine setting and suggest management approaches. (C1)
9. Perform common procedures used in an inpatient internal medicine setting: (C5)
   1. Interpret EKG
   2. Interpret routine Chest X-ray
   3. Interpret radiologist's report for advanced imaging studies
10. Efficiently document patient encounters unique to an inpatient internal medicine setting including an admission note and a progress note. (C8)
11. Display a professional, respectful and courteous manner in all encounters consistent with the role and responsibility of a Physician Assistant. (C9)
12. Utilize effective communication skills reflective of patient-centered care that displays awareness and sensitivity to diverse patient populations. (C2, 9)
13. Provide patient education and counseling based on the medical condition and needs of adult and elderlypatients. (C2)

**Instructional Objectives for Inpatient IM**

**Under appropriate preceptor supervision, by the end of this rotation, the clinical PA student will be able to demonstrate knowledge and competence pertaining to each of the Instructional Objectives (IOs are observable actions or behaviors) listed below in adult and elderly patients with acute and chronic presentations in an inpatient internal medicine setting:**

**History Taking and Physical Exam Skills: The student should be able to demonstrate competency in the following:**

1. Conducting focused and comprehensive interviews based on the patient’s presenting complaint in an inpatient internal medicine setting.
2. Correlating the patient’s current complaint with presented history and review of systems
3. Performing problem-focused and comprehensive physical examinations for acute and chronic conditions in an inpatient internal medicine setting.
4. Identifying normal and abnormal physical examination findings

**Developing a differential diagnosis: The student should be able to demonstrate competency in the following:**

1. Presenting to the preceptor the significant history as it relates to possible differential diagnosis
2. Presenting to the preceptor the significant physical exam findings as they relate to possible differential diagnosis
3. Formulating a differential diagnosis with consideration to the most likely diagnosis, the most common diagnosis, as well as the most severe and/or life threatening diagnosis for acute and chronic conditions seen in an inpatient internal medicine setting.

**Selecting and Interpreting Laboratory and Diagnostic Studies: The student should be able to demonstrate competency in the following:**

1. Identifying the indication for initial and subsequent diagnostic or laboratory studies ordered in an inpatient internal medicine setting.
2. Selecting appropriate common screening tests for medical conditions encountered
3. Identifying cost effectiveness, benefits, contraindications, sensitivity and specificity, and informed consent for diagnostic studies or procedures.
4. Explaining risks associated with diagnostic studies or procedures to the patient
5. Identifying normal and abnormal laboratory/diagnostic ranges and results for studies
6. Performing the lab and diagnostic studies safely and with appropriate technique
7. Interpreting results of lab and diagnostic studies correctly

**Developing, Documenting, and Executing an Assessment and Plan: Student should be able to demonstrate competency in the following:**

1. Correlating lab and diagnostic data to the differential diagnosis to help select the most likely diagnosis for acute and chronic conditions in an inpatient internal medicine setting.
2. Developing pertinent non-pharmacologic management plan including consultation with specialists, referral to community resources including rehabilitative care, behavioral and/or mental health care.
3. Documenting the patient encounter using site-specific template for admission/progress/discharge notes, including patient education and follow-up recommendations.
4. Providing and documenting patient counseling and education that is patient-centered, culturally sensitive and inclusive to ensure patient’s understanding of the plan, including:
5. Health prevention such as nutrition, safety, domestic violence screen, and substance use
6. Physical activity and exercise modifications
7. Necessary age-appropriate screenings (including falls and dementia) and periodic health assessments
8. Adjustments to lifestyle changes related to ADLs, physical/mental impairment, and cultural background
9. Promotion of home safety and prevention of violence
10. Information about rehabilitative care, palliative care, death and dying
11. Attention to body, soul, and spirit with consideration of and sensitivity to patient’s religious/spiritual beliefs, health practices, and lifestyle choices

**Developing and Documenting Pharmaceutical Therapeutics and Treatment Modalities: The student should be able to demonstrate competency in the following:**

1. Discussing rationale for utilization of medications treating acute and chronic conditions in an inpatient internal medicine setting including understanding of:
2. Mechanism of action
3. Indications for use
4. Contraindications
5. Side effects
6. Adverse reactions
7. Potential for drug-drug interactions
8. Therapeutic effects
9. Dosing
10. Cost-effectiveness
11. Drug toxicity
12. Identify risks for, and signs and symptoms of drug interactions from polypharmacy
13. Methods to reduce medication errors
14. Cross-reactivity of similar medications
15. Selecting appropriate pharmacologic therapy for medical conditions encountered
16. Reviewing patient’s current pharmacologic regimens and adjusting as appropriate
17. Managing adverse drug reactions
18. Determining appropriate resources to determine appropriate medications
19. Documenting orders and prescriptions for treatment medications

**Applying Basic Science Concepts: The student should be able to demonstrate competency in the following:**

1. Identifying normal and abnormal human anatomy and physiology to correlate how it applies to acute and chronic conditions encountered in an inpatient internal medicine setting.
2. Correlating pathophysiologic principles to specific disease processes common in Internal Medicine
3. Correlating abnormal physical exam findings to a given disease process
4. Applying abnormal results of diagnostic tests to a given disease process

**Professionalism: The student should be able to demonstrate competency in the following:**

1. Demonstrating sensitivity to the emotional, social, and ethnic background of patients
2. Demonstrating respect for the privacy and confidentiality of each patient
3. Communicating and interacting professionally with other members of the healthcare team.
4. Identifying limitations and willingness to seek help from supervising preceptors, and referencing appropriate resources.
5. Demonstrating an openness to receiving constructive criticism
6. Initiating independent outside research concerning clinical cases encountered
7. Performing duties with a professional attitude in such areas as attendance, dress code, and demeanor