Endocrine System
03END001 Describe the general organization of an endocrine system including concepts of long and short look feedback and local hormone action (i.e. neurocrine, paracrine and autocrine effects).
03END002 Describe the gross anatomy, histology and regulation of the thyroid gland.
03END003 Describe the gross anatomy, histology and regulation of the adrenal gland.
03END004 Describe the structural organization of the pituitary and its structural/functional relationship with the hypothalamus.
03END005 Describe the embryological development of the pituitary, adrenal gland, thyroid gland, parathyroid gland and pancreas.
03END006 Describe synthesis, regulation and fate of the thyroid hormones and their role in the regulation of metabolism.
03END007 Describe the role of endocrine hormones of the pancreas in the regulation of the balance of catabolism and anabolism.
03END008 Describe the absorption and excretion of calcium and the regulation of body stores of calcium by parathyroid hormone and vitamin D.
03END009 Describe the role of calcium in normal cellular function.
03END010 Understand how growth is defined structurally and functionally with attention to the importance of pituitary, thyroid and adrenocortical secretions.

Gastro-intestinal Tract and Abdominal Region
03GIT001 Describe the gross anatomic and microscopic morphology of the GI tract (including the liver, biliary tract and pancreas).
03GIT002 Describe the anatomy and function of the anterior abdominal wall, including the inguinal region. Be able to describe the characteristic features of common reginal hernias.
03GIT003 Describe the arrangement and features of peritoneal ligaments, folds, recesses, mesenteries and omenta.
03GIT004 Describe the relationship of components of the upper gastrointestinal tract to bony and other soft tissue structures in the head, neck, thorax and abdomen.
03GIT005 Describe the development of the GI system including the concept of foregut, midgut and hindgut and the derivatives of each region. Also describe the relationship of these regions to the vascular and nervous structures of the GI tract.

03GIT006 Identify and describe the arterial supply and venous drainage of the gastrointestinal tract.

03GIT007 Describe the portal circulation and lymphatic drainage of the GIT and how they relate to their role in nutrient absorption.

03GIT008 Describe the relationship of the autonomic nervous system to the tubular gut and the effect of sympathetic and parasympathetic control on gut mobility and secretory functions.

03GIT009 Describe the role of motility of the esophagus including the process of swallowing in the overall GI function. Compare motility of the stomach and intestines in the fed and fasting state and how this is regulated.

03GIT010 Describe the process of gastric acid production and its regulation.

03GIT011 Apply knowledge of the function of the GI hormones to explain their role in regulation of digestive process (including secretion and motility).

03GIT012 Understand the site of release, site of action and regulation of GI hormones and the role of these hormones in the digestive process including secretion and motility.

03GIT013 Describe the production, release and mode of action of the secretions of the salivary glands, the exocrine pancreas, and small intestine.

03GIT014 Compare and contrast the digestion and absorption of the carbohydrates, proteins, lipids, minerals, and vitamins and describe the role of the glycocalyx and brush border in these processes.

03GIT015 Describe the relationship between the bacterial flora of the GI tract and the host.

03GIT016 Identify by class and mechanism of action the drugs that act on the GI system and are used to treat dyspepsia, diarrhea, and emesis.

Liver and Biliary System

03LVR001 Describe the gross anatomic and microscopic morphology of the liver and biliary tree.

03LVR002 Trace the pathways for blood and lymph flow through the liver and describe the function and regulation of the hepatic vascular system.

03LVR003 Understand the functions of the biliary tree and mechanisms regulating the secretion of bile.

03LVR004 Describe the formation and composition of bile and bile salts and their functions in the intestinal tract.

03LVR005 Understand the exocrine pancreas and relate it to the structure and function of the gastrointestinal tract.
Renal
03REN001 Describe the gross anatomic and microscopic morphology of the kidney including the uriniferous tubule.
03REN002 Describe the anatomy and function of the posterior abdominal wall and the arrangement of associated neurovascular and visceral components.
03REN003 Describe the micturition reflex and the process of urination.
03REN004 Describe the development of the kidney and the urinary system.
03REN005 Describe glomerular filtration and its regulation.
03REN006 Describe the processing of glucose, sodium, potassium, chloride, and bicarbonate, in the kidney.
03REN007 Describe the role of the kidney in the regulation of calcium, phosphorus, and acid/base balance.
03REN008 Describe the role of the kidney in the regulation of water balance.
03REN009 Describe the role of the kidney in the disposal of creatinine and urea.
03REN010 Describe the role of the kidney in the regulation of blood pressure including interplay with the renin-angiotensin aldosterone system.
03REN011 Describe the sites and mechanism of action of the major classes of diuretics.
03REN012 Explain the causes of renal toxicity associated with commonly prescribed drugs (antimicrobial and antineoplastic drugs, immunosuppressants, and NSAIDs).

Reproductive System and the Breast
03REP001 Describe the gross anatomy and histology of the male and female reproductive systems.
03REP002 Describe the anatomy and function of the pelvis and perineum, including the associated neurovasculature.
03REP003 Describe the arrangement of the innervation and blood supply to the female and male reproductive systems.
03REP004 Understand the origin and divisions of the sacral plexus.
03REP005 Compare and contrast the embryonic development of the male and female reproductive systems.
03REP006 Compare and contrast the hypothalamo-pituitary regulation of the female and male reproductive axes.
03REP007 Compare and contrast sexual development and puberty in males and females.
03REP008 Describe the endocrine regulation of sperm production, transport and maturation.
03REP009 Describe the endocrine regulation of ovulation and the menstrual cycle.
03REP010 Describe the endocrine regulation of pregnancy, parturition and lactation.
03REP011 Describe the endocrine dysregulation and consequences of male andropause and female menopause.

03REP012 Describe the mechanism(s) of action for the major contraceptive drugs.

03REP013 Understand the pharmacological considerations associated with pregnancy and lactation.

**Biomedical Ethics**

03BME001 Demonstrate understanding of the ethical standards that pertain to professional boundaries, care of adolescent/adult patients, and/or disadvantaged populations.

03BME002 Demonstrate understanding of the basis for ethical standards (e.g., effect on maintaining autonomy) as these pertain to professional boundaries, care of adolescent/adult patients, and/or disadvantaged populations.

**Clinical Skills**

03CSK001 Demonstrate SKILLS on a standardized patient of assessing all elements within the six content domains of the medical history as learned in Block I.

03CSK002 Demonstrate SKILL performing a complete ROS during a routine medical history with an SP. For Block III, you will be required to ask at least THREE questions specific to each area within each organ system. For HEENT, you are expected to ask three questions for head, three questions for eyes, etc.

03CSK003 Demonstrate appropriate use and application of the communication skills learned in Block I, with a greater focus on asking very specific, well-worded, language appropriate questions.

03CSK004 Demonstrate SKILL using specific evidence-informed protocols for screening patients about their alcohol and drug usage by using these protocols during your performance of a routine medical history on SP’s.

03CSK005 Demonstrate SKILL in screening patients about intimate partner violence by including these questions during your performance of a routine medical history on SP’s.

03CSK006 Demonstrate SKILL in screening patients about their sexual activities, practices and concerns by including these questions during your performance of routine

**Communication Skills**

03COM001 Demonstrate knowledge of all communication techniques learned in Block I.

03COM002 Demonstrate skill applying Block I medical interviewing and communication skills by demonstrating these on standardized patients.

03COM003 Demonstrate SKILL using techniques for managing challenging patient encounters by using them during your performance of a complete medical history on SP’s presenting with such challenges.

03COM004 Be able to identify and describe factors that can affect the reliability and validity of patient self-report.
03COM005  Be able to describe communication techniques that serve to increase the reliability and validity of patient self-report during a medical encounter.

03COM006  Demonstrate your SKILL using communication techniques that increase the reliability and validity of patient self-report by using these techniques during your performance of a routine medical history on SP's.

03COM007  Be able to identify and describe common concerns patients have about discussing sensitive topics e.g., alcohol and drug use or sexual practices.

03COM008  Be able to describe communication techniques that serve to decrease patient’s anxiety when asked about sensitive topic areas as part of a routine medical history.

03COM009  Demonstrate your SKILL using communication techniques that decrease patients’ anxiety to discuss sensitive topics by using these techniques during your performance of a routine medical history on SP’s.

03COM010  Be able to describe how to screen patients for alcohol and drug use, intimate partner violence, and sexual practices and concerns as part of a routine medical history.

03COM011  Demonstrate understanding of frequently-encountered challenging patient presentations (e.g., a patient who is angry) and be able to describe techniques for addressing these challenges.

03COM012  Demonstrate SKILL in asking specific, detailed, well-worded (so as to get the most reliable data), language appropriate (jargon-free) questions during the performance of a medical history and ROS.

03COM013  Demonstrate SKILL in responding appropriately to patients’ emotions, concerns, and their subjective experience.

03COM014  Demonstrate SKILL providing constructive oral and written feedback to peers when they practice performing medical histories on standardized patients.

Cultural Competency and Cross Cultural Medical Care
03CCC001  Demonstrate understanding of critical factors involved in caring for disadvantaged adult patients.

Medical History
03MHX001  Demonstrate knowledge of and skill performing all elements within the six content domains of the medical history.

03MHX002  Demonstrate understanding of the organ systems and the general areas to assess within each organ system that should be included in a complete ROS.

03MHX003  Demonstrate consistent use of more advanced communication techniques that serve to improve the reliability of patient self-report; decrease patient anxiety for discussing sensitive topics; demonstrate appropriate screening approaches for substance use, intimate partner violence, and sexual practices/concerns; manage challenging patient situations as
appropriate, especially addressing patient and reflecting on your own emotions as these arise during a medical encounter.

03MHX004 Demonstrate understanding of the critical components of performing an adult gynecologic history.

**Models of Care**

03MOD001 Demonstrate knowledge, understanding, and application of the principles of patient-centered care in the course of conducting a complete medical history (e.g., understanding the patient’s experience, working collaboratively, addressing emotions, etc.).

**Human Development**

03HDE001 Demonstrate understanding of the stages of normal adolescent physical development (Tanner Stages).

03HDE002 Demonstrate understanding of adolescent and adult psychosocial development.

**Human Sexuality**

03SEX001 Be able to identify female anatomical structures and explain their physiology in the context of the human sexual response.

03SEX002 Be able to identify male anatomical structures and explain their physiology in the context of the human sexual response.

03SEX003 Be able to describe the human sexual response cycle in women and men.

03SEX004 Become familiar with the distinction between typical and atypical sexual behavior.

03SEX005 Understand the relationships between sexual behaviors and satisfactory sexual functioning.

03SEX006 Understand the advantages and disadvantages of various coital positions in terms of satisfactory sexual functioning.

03SEX007 Become familiar with some of the more common atypical sexual variations and understand the diagnostic criteria for paraphilias.

03SEX008 Understand the biopsychosocial model of sexual dysfunction.

03SEX009 Be able to discriminate the four types of sexual disorders.

03SEX010 Become familiar with the various pharmacological and nonpharmacological treatments for the various types of sexual disorders.

**Medical Care Across the Lifespan**

03MCL001 Demonstrate understanding of critical factors relevant to the medical care of the adolescent patient by identifying the elements of pre-participation examination.

03MCL002 Demonstrate understanding of critical factors relevant to the medical care of the adolescent patient by identifying trends in youth behavior.
03MCL003 Demonstrate understanding of critical factors relevant to the medical care of the adolescent patient by describing factors relevant to the understanding of adolescent suicide and prevention.

03MCL004 Demonstrate understanding of the critical factors relevant to the medical care of the adult patient.

03MCL005 Demonstrate understanding of critical factors involved in caring for disadvantaged adult patients.

03MCL006 Demonstrate understanding of the critical components of performing an adult gynecologic history.

Patient Safety and Quality Improvement
03PSQ001 Demonstrate patient safety precautions by washing your hands upon entering the exam room - before you touch the patient - and again before you leave the exam room after completing the medical history.

Professionalism and Professional Identity Formation
03PIF001 Demonstrate understanding of some common conflicts that can arise pertaining to professional boundaries, care of adolescent/adult patients, and/or disadvantaged populations.

03PIF002 Be able to identify stakeholders, test the limits of the parameters you use in your own ethical decision-making, and identify the ethical principles that can be applied in specific situations to guide and inform resolution of conflicts about professional boundaries, care of adolescent/adult patients, and/or disadvantaged populations.

Patient Wrap-Up
PWU-SEI001 Observe and reflect on the patient’s experience with disease and the ways in which disease impacted the patient’s occupation, finances, and family.

PWU-SEI002 Observe and reflect on patient’s experience with the healthcare system.

PWU-SEI003 Observe and reflect on the coping skills used by the patient.

PWU-DPR001 Observe and evaluate the professional values exhibited by the physician.

PWU-DPR002 Observe and evaluate the communication skills of the physician.

PWU-DPR003 Observe and evaluate the patient-centeredness exhibited by the physician.

PWU-CSK001 Observe and evaluate the clinical reasoning skills exhibited by the physician.

PWU-CSK002 Apply basic science concepts to patient diagnoses and treatment.

Patient-Centered Learning (PCL)
PCL-CSK001 Demonstrate the ability to define and solve clinical problems based on a patient case.
PCL-CSK002  Demonstrate the ability to apply knowledge of basic sciences to clinical manifestations and presentation in a patient case.

PCL-CSK003  Demonstrate the ability to generate hypotheses based on the clinical presentation and underlying pathogenesis of disease in a patient case.

PCL-PTE001  Demonstrate the ability to actively listen to and reflect on information presented or discussed in learning objectives by other students.

PCL-PTE002  Demonstrate the ability to deliver concise, clear, scientifically-based presentations or discussions of learning objective topics.

PCL-PTE003  Demonstrate the ability to display knowledge of subject area in learning objective presentation that is beyond information covered in presentation or discussion.

PCL-PIF001  Demonstrate the ability to generate learning objectives based on deficiencies in the student's understanding of a patient case.

PCL-PIF002  Demonstrate the ability to gather evidence-based information from multiple resources that is relevant and sufficient to address learning issues generated from a patient case.

PCL-PIF003  Demonstrate responsibility to team through leadership and fulfillment of group duties.

PCL-PIF004  Demonstrate ability to assess learning needs, strengths, and limitations.

PCL-PIF005  Demonstrate ability to respond appropriately to feedback.

PCL-PIF006  Demonstrate ability to treat others in team with respect, show openness to different views, and discuss differences non-judgmentally.

PCL-PIF007  Demonstrate effort to continuously strive for excellence in all activities.