CWRU SOM Educational Program Objectives

The following are the Shared Learning Objectives that pertain to all clerkships:

- Demonstrate consistent professional values and behaviors: compassion, respect, honesty, and ethical practice, meeting obligations in a reliable and timely manner, and recognizing and addressing lapses in professional behavior.
- Participate effectively as a member of the inter-professional healthcare team, recognizing contributions of others and promoting collaboration in patient care.
- Reflect on feedback to improve knowledge, skills, and attitudes with effort to grow in professional abilities.
- Communicate effectively, including written and oral communications, using active listening skills with patients, caregivers, and healthcare team members.
- Apply biomedical, clinical, and social/behavioral knowledge to clinical problems and patient care practices.
- Appraise and assimilate evidence from scientific studies and use new knowledge to improve patient care practices.
- Integrate effective history taking and exam skills in formulating appropriate differential diagnoses.
- Recognize how social determinants of health and the complexity of the healthcare system may impact optimal patient care.
- Participate in clinical experiences that include the defined common core clinical conditions, procedures, and activities related to the discipline at the appropriate level of supervision.

Core Requirements for the AGING Integrated Clinical Experience

By the end of this rotation, students will be able to:

- Demonstrate compassionate, effective, and efficient history taking and exam skills for older adults.
- Develop an evidence-based health maintenance plan for older patients.
- Communicate the key components of a safe care plan and integration into community, including the role of interdisciplinary team members.
- Recognize how structural racism, ageism, and bias lead to health disparities, especially among underrepresented and vulnerable groups.
- Identify goals of care and patient/family preferences and assist with integration into patient management plan.
- Display sensitivity to cultural differences, differences in beliefs and backgrounds, and values that affect patient interactions with the healthcare system.

Required Core Clinical Conditions:

Geriatric Syndromes (cognitive impairment, falls, incontinence, polypharmacy)

Core Requirements for the EMERGENCY MEDICINE Integrated Clinical Experience

By the end of this rotation, students will be able to:

- Demonstrate effective skills in gathering and presenting patient data and thinking through the differential diagnosis and treatment plan, with an emphasis on life-threatening conditions based on the initial chief complaint.
- Determine appropriate disposition for emergent care patients based on the patient's response to therapy and the availability of social support systems.
- Describe the role of the emergency department within the greater health care system.
- Describe the initial approach to the undifferentiated and the unstable patient.
- Display professional behavior such as showing up on time and to all shifts, as well as utilizing appropriate PPE based on ED guidelines.

Required Core Clinical Conditions:

Evaluation of the undifferentiated emergent patient
Trauma/MSK Emergency

Recommended Core Clinical Conditions:

Abdominal Pain
Acute Pain Management
Airway Management
Chest Pain
Dyspnea
ENT/Eye Emergency
Fluid Resuscitation/Shock
Trauma/MSK Emergency

Required Observed Activities: Observed History, Observed Physical Exam

Recommended Procedures: Basic Airway Maneuvers, Point of Care Ultrasound, IV Placement, EKG Interpretation

Core Requirements for the FAMILY MEDICINE Clerkship

By the end of this rotation, students will be able to:

- Apply the evidence-based principles of acute and chronic disease management to the care of a patient.
- Formulate an evidence-based health maintenance plan for any patient across the life cycle, incorporating shared decision-making and motivational interviewing as appropriate.
- Demonstrates awareness of context of care, patient's' values and health care system resources in clinical decision making.
- Recognize how structural racism, and bias lead to health disparities, especially among underrepresented groups.
- Identify goals of care and patient/family preferences and assist with integration into patient management plan.
- Display sensitivity to cultural differences, differences in beliefs and backgrounds, and values that affect patient interactions with the healthcare system.
- Develop a cost-effective approach to differential diagnosis/diagnostic reasoning and solving patient-based problems.

Required Core Clinical Conditions:

Abdominal Pain
Advanced Directives/End of Life/Palliative Care
Altered Mental Status/Delirium
Anemia
Atherosclerosis (CAD, PVD, Cerebrovascular disease, Acute coronary syndrome)
Chest Pain
CHF
COPD/Asthma
Cough/URI/Viral syndromes/Pneumonia
Depression
Diabetes
Dyslipidemia
Dyspnea
Dysuria/Hematuria/Stones/UTI
Fever
Geriatric Syndromes (cognitive impairment, falls, incontinence, polypharmacy)
Hypertension
Musculoskeletal Pain (back, shoulder, knee, hip)
Nausea/Vomiting, Diarrhea/Constipation, Gastroenteritis
Obesity
Preventive Care/Health Promotion
Renal Failure/Acid-Base Disorder/Electrolyte Disorder
Skin Problems (cellulitis, rash)
Smoking Cessation/Tobacco Use/Substance Use Disorder
Thyroid Disease
Transitions of Care
Unintended Weight Loss
Venous Thromboembolism

Required Observed Activities: Focused Physical Exam, Preventive Care Counseling

Recommended Procedures: Glucose Fingerstick, Intradermal/IM/Sub Q Injection, Urinalysis, Urine HCG, Rapid Strep Test, Office-based Spirometry/peak flow

Core Requirements for the INTERNAL MEDICINE Clerkship

By the end of this rotation, students will be able to:

- Communicate the key components of a safe discharge plan and reintegration into family, community, and workplace, including the role of care coordinator.
- Identify and suggest treatment for geriatric syndromes (e.g., delirium, dementia, depression, falls, incontinence, polypharmacy).
- Develop an evidence-based health maintenance plan for a patient of any age or gender.
- Recognize how social determinants of health, structural racism, and bias lead to health disparities, especially among underrepresented groups.
- Apply the evidence-based principles of acute and chronic disease management to the care of a patient.
- Identify goals of care and patient/family preferences and assist with integration into patient management plan.
- Display sensitivity to cultural differences, differences in beliefs and backgrounds, and values that affect patient interactions with the healthcare system.

Required Core Clinical Conditions:

Abdominal Pain
Advanced Directives/End of Life/Palliative Care
Altered Mental Status/Delirium
Anemia
Atherosclerosis (CAD, PVD, Cerebrovascular disease, Acute coronary syndrome)
Chest Pain
CHF
COPD/Asthma
Cough/URI/Viral syndromes/Pneumonia
Depression
Diabetes
Dyslipidemia
Dyspnea
Dysuria/Hematuria/Stones/UTI
Fever
Geriatric Syndromes (cognitive impairment, falls, incontinence, polypharmacy)
Hypertension
Musculoskeletal Pain (back, shoulder, knee, hip)
Nausea/Vomiting, Diarrhea/Constipation, Gastroenteritis
Obesity
Preventive Care/Health Promotion
Renal Failure/Acid-Base Disorder/Electrolyte Disorder
Skin Problems (cellulitis, rash)
Smoking Cessation/Tobacco Use/Substance Use Disorder
Thyroid Disease
Transitions of Care
Unintended Weight Loss
Venous Thromboembolism

Required Observed Activities: Interprofessional Patient Care, Oral Presentation, Patient-Centered Interview, Internal Medicine Physical Exam

Recommended Procedures: ABG, EKG, Rectal Exam

Core Requirements for the NEUROSCIENCE Clerkship

By the end of this rotation, students will be able to:

- Demonstrate the ability to perform and interpret a complete neurological examination.
- Demonstrate the ability in the neurologically ill patient to formulate a case, develop a differential diagnosis, devise a plan for diagnosis and management.
- Enrich prior knowledge in neuroscience through outside reading and searching the literature relevant to clinical case work.
- Recognize an acute change in neurologic status and work with the appropriate team to initiate care.
- Recognize and address pain secondary to neurologic disorders.
- Recognize appropriate indications for common neurologic diagnostic testing and imaging.

Required Core Clinical Conditions:

Coma/Encephalopathy
Dementia
Dizziness
Headache
Movement Disorders
Neuroinflammatory Disorders
Peripheral Nervous System Disorders
Seizure
Stroke

Required Observed Activities: Neurologic Exam, Neurologic History

Additional Requirements: Assessment and management of patients with acute neurologic change, Management of chronic neurologic conditions, Participation in management of a neurological patient requiring post-acute care, Incorporate evidence-based medicine in formulating treatment plans for neurological patients.

Core Requirements for the OBGYN Clerkship

By the end of this rotation, students will be able to:

- Identify and participate in the diagnosis and treatment of common obstetric and gynecological problems within the interdisciplinary team.
- Identify when to refer a patient to an Obstetrician-Gynecologist (including subspecialties).
- Describe how to counsel patients about contraception, abortion or sterilization options while maintaining ethical principles, recognizing personal bias, patient autonomy, and cultural awareness.
- Apply knowledge of competent care for all gender identities, sexual orientations, and the need for trauma-informed care in obstetrical and gynecologic care.
- Apply situational awareness when approaching communication and patient care, recognizing clinical environments that have heightened acuity and emotions.
- Demonstrate the ability to compassionately, respectfully, and effectively communicate with and examine adolescents/women.
- Appraise the medical literature to demonstrate knowledge and clinical problem-solving skills necessary for the diagnosis and initial management of common acute and chronic illnesses in adult women.
- Know and apply women's health screening strategies and guidelines across the life cycle.
- Demonstrate a working knowledge of pelvic/female anatomy and how it correlates with clinical care.
- Describe the physiology of normal and complicated pregnancy and the care of common medical conditions during pregnancy.
- Define the biopsychosocial model approach to female sexual function.

Required Core Clinical Conditions:

Contraception/Family Planning
Interpersonal violence
Labor (Normal)
Menstrual problem/Abnormal bleeding
Pelvic Mass
Pelvic Pain (Acute/Chronic)
Pregnancy (Complicated/High-Risk)
Pregnancy (Normal)
Vaginal Discharge/STIs
Women's Health (Osteoporosis/Menopause)

Required Observed Activities: Pelvic Exam (Bimanual/Speculum), OB/Gyn History
Required Procedures: Assist in the Delivery of an Infant/Placenta
Recommended Procedures: Breast Exam

Core Requirements for the PEDIATRICS Clerkship

By the end of this rotation, students will be able to

- Obtain history from a child in an age-appropriate manner, from third party historian when appropriate, and with specific attention to birth history and developmental histories.
- Perform a physical exam (including appreciating differences related to stages of development) on the following age groups: newborn, infant, toddler, school-age, and adolescent.
- Generate an age-appropriate differential diagnosis and understand initial management (diagnostic and therapeutic) for common pediatric conditions.
- Apply basic knowledge of normal growth and development from birth to adolescence, disease, and injury prevention (immunizations, anticipatory guidance), and common screening tests to pediatric health maintenance encounters for the newborn, infant, toddler, school-age, and adolescent age groups.
- Show effective patient/family-centered communication and engagement using appropriate language including incorporating patient/family perspectives, values, and goals into the clinical encounter.

Required Core Clinical Conditions:

- Behavioral (Abnormality/Concern)
- Cardiovascular System
- Central Nervous System
- Child Maltreatment Syndrome (e.g., Non-accidental Trauma, Neglect, Sexual Abuse)
- Dermatologic System
- Development (Abnormality/Concern)
- Emergent Clinical Problem
- Fever
- Fluid and Electrolyte Problem/Management
- Gastrointestinal Tract
- Growth (Abnormality/Concern)
- Hematologic Abnormality/Concern
- Jaundice
- Lower Respiratory Tract
- Musculoskeletal Complaint
- Nutrition (Abnormality/Concern)
- Upper Respiratory Tract
- Well Child Care (Newborn-1 month)
- Well Child Care (Infant 1-12 months)
- Well Child Care (Toddler 12-60 months)
- Well Child Care (School-Age)
- Well Child Care (Adolescent)

Required Observed Activities: Assessment of Child Development, Newborn Physical Exam

Core Requirements for the PSYCHIATRY Clerkship

By the end of this rotation, students will be able to:

- Demonstrate the ability to perform and interpret a psychiatric evaluation, including a detailed mental status evaluation.
- Enrich prior knowledge in Psychiatry through different methods of learning in addition to clinical work and didactics sessions, and ability to communicate newly acquired knowledge to peers and team.
- Recognize an acute change in mental status and initiate appropriate clinical work up.
- Demonstrate the ability to apply DSM diagnostic criteria for major psychiatric disorders and explain major treatment modalities.
- Contribute to care that is appropriate, compassionate, and effective for the medically ill patient with psychiatric symptoms.
- Identify intoxication and withdrawal for common substances of abuse (alcohol, opioids, cocaine, marijuana) and be able to discuss the common different levels of treatment options for common substances of abuse such as inpatient and outpatient treatment.
- Identify the connection between medical and psychiatric conditions and how this affects diagnosis and treatment.
- Recognize how trauma and other adverse childhood events contribute to psychiatric presentations in childhood.
- Summarize the role of medications in the management of patients with substance use disorders.
- Appreciate different socioeconomic circumstances in a non-judgmental way and how it affects patient outcomes.
- Appreciate and provide resources to patients based on the student's understanding of different systems of healthcare.
- Identify skills that can help the student to promote work life balance.
- Recognize areas of potential quality improvement and verbalize them.

Required Core Clinical Conditions:

Anxiety
Bipolar Disorder
Delirium/Encephalopathy
Depression
Psychopharmacology
Personality Disorder
Psychological Trauma/PTSD/TBI
Psychosis
Risk Assessment (self-harm/suicide/homicide/violence)
Substance Use Disorder

Required Observed Activities: Mental Status Exam, Psychiatric History

Core Requirements for the SURGERY Clerkship

By the end of this rotation, students will be able to:

- Demonstrate habits of ongoing reflection using feedback from others as well as self-assessments to both identify learning needs (cognitive and emotional) and practice continuous personal improvement.
- Effectively communicate knowledge as well as uncertainties in all settings.
- Demonstrate appropriate level of clinical, basic, and health systems science knowledge to be an effective starting resident physician.
- Discuss the critical elements of surgical and nonsurgical care for each of the core conditions.
- Demonstrate effective skills in gathering and presenting patient data and generate a differential diagnosis and treatment plan.
- Demonstrate the ability to perform focused, self-directed reading in appropriate literature and share this with the team, particularly in relation to patients the student is seeing.
- Demonstrate selflessness for the benefit of the patient and the team.

Required Core Clinical Conditions:

Abdominal pain
Acute pain management
Airway management
Breast Pain/Mass/Nipple discharge
Cancer
Chest Pain
Dysphagia/GERD
Dyspnea
ENT emergency
Fluid resuscitation/shock
GI Bleeding
Jaundice
Nutrition
Obesity
Peri-operative Care
Peripheral Vascular Disease
Trauma/Acute MKS Injury
Wound Infections

Required Observed Activities: Abdominal Exam, Suturing, Surgery History
Recommended Procedures: Female Foley, Male Foley, Nasogastric Tube