

Surgery Clerkship Objectives (2022-2023 Academic Year)

Objectives and modules for specific surgical subjects have been prepared by the American College of Surgeons (ACS) and the Association for Surgical Education (ASE) Medical Student Core Curriculum Essential Content for Surgery Clerkships and are available at the following link: <https://www.facs.org/education/program/core-curriculum>

These are essentially lists of expected knowledge, skills, and accomplishments to be studied for each specific subject. The Department utilizes these objectives for the Phase 2 Surgery Clerkship, and students should review the objectives during the clerkship.

SMHS Objectives

The SMHS objectives of the Phase 2 surgery clerkship are to assist the student in developing the following abilities and skills:

1. The **practice** of applying basic science disciplines to clinical situations.
2. To **recognize diseases** or conditions that are treated surgically. This includes understanding the normal physiology, pathophysiology and changes incurred by surgical treatment. The student will be expected to understand the natural history of surgical diseases and the normal physiology in individuals not affected.
3. To **develop problem-solving skills** based on a complete history, performance of a complete physical examination and collective interpretation of additional data such as laboratory and X-ray results.
4. To **recognize** common surgical **emergencies** and the appropriate responses to these emergencies.
5. To **develop** basic manual skills required in effective patient care.
6. To **develop self-assessment skills** that will provide the student with appropriate input or awareness as to his or her performance on the clerkship objectives.
7. To **develop and maintain personal characteristics**, attitudes and ideals appropriate for the physician and surgeon. This should include an awareness of personal strengths, weaknesses, appearance, reliability, integrity, honesty, and the ability to interrelate with other individuals.
8. To **develop** skills enabling an effective interaction with patients, colleagues, nurses, and other health care professionals. This includes the development of communication skills that are necessary for the exchange of information concerning patients and the ability to cooperate with other disciplines in patient care.
9. **Recognize** that diverse cultural, religious, and socioeconomic factors can affect both the provider's approach and the patient's response to surgical care.
10. Students will **demonstrate** professional behavior in both the inpatient and outpatient settings. This is in line with our medical school's pillars of excellence and with medical licensing standards in the United States and abroad
11. Following **self-directed learning**, the student will be able to:
 - a. Define microsatellite instability and describe its importance in colorectal cancer
 - b. Describe the body's mechanisms of meeting energy needs during prolonged fasting
 - c. Identify the inheritance of the BRCA gene and describe its role in breast cancer
12. After attending weekly mortality conferences, students will be able to **discuss** expected and unforeseen complications associated with surgical procedures, with an aim to improve quality of future care.
13. Students will be able to **discuss** ethical principles and fiduciary duties relevant to surgical care.