

Elective Description

Campus: All Campus (Fargo)

Department: Surgery

Elective/Experience Title: Surgery Simulation Boot Camp

Course Number: SURG 9501

Location of Elective: UND Medical Education Center & Sanford Medical Center – Fargo, ND

Preceptor(s): Brian Johnson, MD; Surgical faculty and residents

Period(s) Offered: Period 10 only (**Requires 60-day ADVANCE NOTICE prior to dropping this course**)

Number of students per period: Minimum 2 & Maximum 5

Course Prerequisites: Completion of Surgery Clerkship

Revised Curriculum Phase(s): 3

Purpose: To prepare 4th year students who intend to enter a residency in a surgical field.

Objectives: Following successful completion of this elective, the student will be able to:

1. Generate accurate assessments and management plans for basic surgical problems. (Competency 3.1, 3.4)
2. Generate pre- and post-operative orders. (Competency 3.8)
3. Summarize the role of the PGY1 resident in the surgical team. (Competency 1.3)
4. Effectively adopt team member functions in critical situations. (Competency 3.5, 4.2, 4.3)
5. Execute basic surgical skills/ knots, tubes and lines, airway management and basic laparoscopic skills. (Competency 3.6)

Instructional Activities: During this elective, the student will be involved in/experience:

1. Basic surgical skills lab, placement of chest tubes, lines, and airway support, and basic laparoscopy.
2. Participate in clinical simulations of critical scenarios as a member of a multidisciplinary team.
3. Three weeks of didactics and simulation. This also includes 2 full days of ATLS training and certification. One-week rotation on a surgical teaching service.
4. Management of complex scenarios in hospital and in the simulation lab and writing pre- and post-operative orders.
5. Completion of assigned online American College of Surgeons modules.
6. Participation in an oral exam style discussion with course director.

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

1. Evaluate by direct observation the ability of the student to meet performance goals for manual skills set by the preceptor (objective 1, 2, 4, 5).
2. Evaluate through direct observation and testing at the end of the rotation knowledge of surgical skills learned during the rotation (objective 1,2,5).
3. Evaluate knowledge of surgery through an oral exam style discussion using the American Board of Surgery format (objective 1, 4).
4. Review Completion of online modules assignments provided by the American College of Surgeons (objective 1).
5. By discussion with the student and clinical and/or simulation assessment, evaluate their knowledge of the role of the intern on the surgical team (objective 3).
6. Utilize the standardized UNDSMHS senior elective evaluation form.