## Surgery Skills Lab

## Course Description

The purpose of this course is to provide medical students entering general surgery residencies with a focused introduction to simulation lab skills training. The course will provide students with surgical skills training aimed at enhancing technical skills needed by surgical trainees. The goal of the course is to provide future surgical residents with a leg up as they enter training. The curriculum will include elements of the technical skills training program used by the surgical residents at UF. Skills training will include increase familiarity with surgical instruments, open suturing skills, basic laparoscopic skills training, simulation based training in flexible endoscopy, simulation based training in central line placement, airway management training, and simulated code and critical care management. Basic didactic principles will be taught in parallel with skills training.

## Evaluated Competencies

##### **#1 Professionalism**

**Educational Objectives:** Acquisition of new surgical skills and maintenance of established skills is an important aspect of surgical professionalism.

**Method of Evaluation:** The student will be expected to supplement supervised training sessions with independent study and practice to achieve competency based established norms. The student’s willingness and ability to do so will be assessed by observation and practical testing.

##### **#2 Patient Care**

**Educational Objectives:** The student will be expected to develop minimum norm based competency in the skills covered by the course.

**Method of Evaluation:** Observation of skill performance and time based testing of defined tasks.

##### **#3 Medical Knowledge**

**Educational Objectives:** Knowledge of anatomy and the physiologic principles required to obtain IV access, perform endoscopy and laparoscopy, and to manage airway and cardiovascular emergencies.

**Method of Evaluation:** Direct observation and informal oral examination during the performance of skills training.

##### **#4 Practice-Based Learning**

**Educational Objectives:** Personal reflection and self-assessment of the individual student's skills set and self-directed study and practice to improve performance to competence norms.

**Method of Evaluation:** Observation by faculty and staff. Ability to achieve defined level specific competence with skills.

##### **#5 Interpersonal and Communication Skills**

**Educational Objectives:** The student will be expected to function as an effective team member during skills training and assist other team members with certain skills.

**Method of Evaluation:** Observation by Faculty and staff

##### **#6 Systems-Based Practice**

**Educational Objectives:** The student will be expected to gain an understanding of the role of surgical simulation in skills acquisition and maintenance in surgical practice.

**Method of Evaluation:** Observation by faculty and staff