

# SURGERY (SURG-ML)

## **SURG-ML 2007 Surgery Clerkship (6 Credits)**

*Typically offered Fall and Spring*

This six-week, phase two clerkship in surgery is designed to provide the student with a broad experience in the general surgical disciplines. This experience is designed to emphasize direct patient contact, including all phases of evaluation, diagnosis, and treatment, and is based on the recommendation of the Curriculum Committee of the Association for Surgical Education.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 3007 Subinternship - Surgery (4 Credits)**

*Typically offered Fall and Spring*

The surgical Sub-Internship is a focused 4 week rotation designed to prepare students for residency training. Students will participate directly in the daily care of surgical patients; i.e. initial evaluation, diagnostic work-up, formulation of differential diagnoses, formulation of treatment options, and institution of management plans. The student is expected to function at the PGY-1 level, with close supervision available from the resident and attending surgical team. Students will participate on rounds, daily care tasks, procedures, surgeries, and conferences.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 3009 Critical Care - Surgery (4 Credits)**

*Typically offered Fall and Spring*

During the four-week, phase three critical care clerkship at NYU Langone Hospital Long Island, students develop the knowledge, skills, and experience needed to care for critically ill patients. Students have the option to rotate in a specialty intensive care unit (medical, neonatal, pediatric, surgical) aligned with their career choice. Surgery: Critical care clerkship responsibilities include daily teaching rounds and following, assessing, and treating critically ill patients and be an active member of the care team. The goals of the surgical critical care rotation are to provide students with an opportunity to learn clinical skills and develop a foundation of knowledge to provide critical care services in the perioperative setting.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 4001 Acute Care Surgery - Emergency and Trauma Surgery (2 Credits)**

*Typically offered Fall and Spring*

The Emergency and Trauma Surgery elective will expose the medical student to basic Advanced Trauma Life support under the direct supervision of the trauma surgeon. It will introduce the student in how to assess a patient's condition, resuscitate and stabilize him or her, and determine his or her need for surgical intervention. The student will be exposed to a wide range of trauma and polytrauma patients and will follow their care from the initial resuscitation to discharge.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 4002 Acute Care Surgery - Emergency and Trauma Surgery (4 Credits)**

*Typically offered Fall and Spring*

The Emergency and Trauma Surgery elective will expose the medical student to basic Advanced Trauma Life support under the direct supervision of the trauma surgeon. It will introduce the student in how to assess a patient's condition, resuscitate and stabilize him or her, and determine his or her need for surgical intervention. The student will be exposed to a wide range of trauma and polytrauma patients and will follow their care from the initial resuscitation to discharge.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 4029 Vascular Surgery (4 Credits)**

*Typically offered Fall and Spring*

Students will attend daily morning rounds with the surgical residents, PA and attending staff. They will accompany attendings either to the operating room or to office hours. They will observe and possibly participate in operating room procedures, follow patients on the surgical floors, and interview and examine patients in the vascular surgery clinic. Students will participate in weekly vascular surgery Friday conferences, work on case reports for potential publication, and may participate in ongoing research projects.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 4048 Pediatric Surgical Specialties (4 Credits)**

*Typically offered occasionally*

The student will be exposed to the different pediatric surgical specialties and work with the faculty in in the outpatient and inpatient surgical procedures units. Each rotation will have a preceptor who will coordinate and supervise the clinical activities that will include assigned readings and online learning exercises. Each preceptor will complete a student assessment for that rotation.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 4068 Pediatric Surgical Specialties (2 Credits)**

*Typically offered occasionally*

The student will be exposed to the different pediatric surgical specialties and work with the faculty in in the outpatient and inpatient surgical procedures units. Each rotation will have a preceptor who will coordinate and supervise the clinical activities that will include assigned readings and online learning exercises. Each preceptor will complete a student assessment for that rotation.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

## **SURG-ML 4100 Breast Surgery (2 Credits)**

*Typically offered occasionally*

During this 2-week elective, a third-year medical student will rotate through breast surgery service. The student will have the opportunity to learn about management of benign and malignant diseases of the breast. The experience will involve being in an office setting and in the operating room. The preceptor will provide a list of relevant literature and have didactic sessions.

**Grading:** SOM Graded

**Repeatable for additional credit:** No

**SURG-ML 4159 Bariatric Foregut (4 Credits)***Typically offered Fall and Spring*

The Elective course to the MIS/Bariatric Team provides students with exposure to general surgery with a specific focus on the care of patients who suffer with obesity or who have diseases amenable to treatment with minimally invasive abdominal operations. Educational objectives are achieved through integration of outpatient/ambulatory care, emergency care for patients with early and/or late complications of surgery, operative treatment and pre- and post-operative hospital management and subsequent follow-up outpatient care. Minimally Invasive operative techniques taught include those performed to treat patients who have: (but not limited to): 1) Hernias 2) Diseases of the lower esophagus and stomach 3) Diseases of the alimentary tract primarily foregut

**Grading:** SOM Graded**Repeatable for additional credit:** No**SURG-ML 4166 Vascular Surgery (2 Credits)***Typically offered Fall and Spring*

Students will attend daily morning rounds with the surgical residents, PA and attending staff. They will accompany attendings either to the operating room or to office hours. They will observe and possibly participate in operating room procedures, follow patients on the surgical floors, and interview and examine patients in the vascular surgery clinic. Students will participate in weekly vascular surgery Friday conferences, work on case reports for potential publication, and may participate in ongoing research projects.

**Grading:** SOM Graded**Repeatable for additional credit:** No**SURG-ML 4188 Bariatric Foregut (2 Credits)***Typically offered Fall and Spring*

The Elective course to the MIS/Bariatric Team provides students with exposure to general surgery with a specific focus on the care of patients who suffer with obesity or who have diseases amenable to treatment with minimally invasive abdominal operations. Educational objectives are achieved through integration of outpatient/ambulatory care, emergency care for patients with early and/or late complications of surgery, operative treatment and pre- and post-operative hospital management and subsequent follow-up outpatient care. Minimally Invasive operative techniques taught include those performed to treat patients who have: (but not limited to): 1) Hernias 2) Diseases of the lower esophagus and stomach 3) Diseases of the alimentary tract primarily foregut

**Grading:** SOM Graded**Repeatable for additional credit:** No**SURG-ML 4191 Surgical Oncology and Hepatobiliary Surgery (2 Credits)***Typically offered Fall and Spring*

The Surgical Oncology and Hepatobiliary Surgery elective will enhance the senior student's knowledge, skills, and competency in the management of surgical oncology patients. Areas of focus will include initial cancer patient evaluation, oncology diagnostic work-up and staging, assessment of surgical and non-surgical management options, and development of treatment plans, including sequencing of various components of treatment. Students will have an opportunity to develop these skills in outpatient clinics, through inpatient consultations, inpatient management, and multidisciplinary conferences and tumor board presentations. This elective will build on the objectives of the general surgical rotations and electives (i.e., improving pre-operative, intra-operative, and post-operative management of surgery patients); moreover, the specific objectives of this elective rotation address unique principles applicable to the care of cancer patients. These objectives include an appreciation of disease biology and response to treatment that incorporates medical oncology, radiation oncology, diagnostic and interventional radiology, and endoscopy into treatment planning and considers the contributions of nutrition support, physical therapy, palliative care, and survivorship. It is our expectation that the student participates throughout the rotation as a fully integrated junior member of the team, and by the end of the rotation demonstrates capabilities in history taking, documentation, critical thinking, clinical evaluation, communication, professionalism, and surgical skill that show readiness for internship training.

**Grading:** SOM Graded**Repeatable for additional credit:** No**SURG-ML 4192 Surgical Oncology and Hepatobiliary Surgery (4 Credits)***Typically offered Fall and Spring*

The Surgical Oncology and Hepatobiliary Surgery elective will enhance the senior student's knowledge, skills, and competency in the management of surgical oncology patients. Areas of focus will include initial cancer patient evaluation, oncology diagnostic work-up and staging, assessment of surgical and non-surgical management options, and development of treatment plans, including sequencing of various components of treatment. Students will have an opportunity to develop these skills in outpatient clinics, through inpatient consultations, inpatient management, and multidisciplinary conferences and tumor board presentations. This elective will build on the objectives of the general surgical rotations and electives (i.e., improving pre-operative, intra-operative, and post-operative management of surgery patients); moreover, the specific objectives of this elective rotation address unique principles applicable to the care of cancer patients. These objectives include an appreciation of disease biology and response to treatment that incorporates medical oncology, radiation oncology, diagnostic and interventional radiology, and endoscopy into treatment planning and considers the contributions of nutrition support, physical therapy, palliative care, and survivorship. It is our expectation that the student participates throughout the rotation as a fully integrated junior member of the team, and by the end of the rotation demonstrates capabilities in history taking, documentation, critical thinking, clinical evaluation, communication, professionalism, and surgical skill that show readiness for internship training.

**Grading:** SOM Graded**Repeatable for additional credit:** No