The Department of Surgery offers four-week elective rotations in General Surgery, Neurosurgery, Plastic Surgery, Trauma Surgery, and a Sub-internship in Surgery. It is our intent to give medical students an intensive experience in these areas of surgery with the expectation that the students will participate actively in the assigned rotations.

The coordination of electives will be through the Academic Affairs Department Office of the Undergraduate Medical Education Office. The application for elective in Surgery should be made four weeks in advance.

**Surgery Sub-internship**  
*Course Director: Paul Scott, MD*  
*Duration: 4 weeks*

**Goals**  
A clinical experience involving all aspects of general surgery practice. The student will develop an understanding of the preoperative, operative, and postoperative procedures and care provided to surgery patients.

**Educational Objectives**  
By the completion of this rotation, the medical student will:

- Develop a basic understanding of surgical pathology and the clinical presentation of a variety of surgical illnesses.
- Gain experience in the evaluation of the acute abdomen.
- Perform simple surgical procedures including the starting of IV’s, insertion of nasogastric tubes and urinary catheters, simple drainage of abscesses, basic suturing, and wound care.
- Become familiar with operating room protocol and sterile technique.
- Assist in the performance of surgery.
- Understand the role of consultants and the cost-effective management of patients in the context of evidence-based medicine.

**Clinical Experience**  
The student will function as a surgery intern. The day starts with morning rounds lead by the chief resident. At the end of rounds the chief will assign students to floor work, clinic, or the operating room or a combination of the former depending on the days’ requirements and the students expressed desire. The day ends with afternoon rounds. Call is not required, but students are encouraged to occasionally stay “after-hours” to add to their clinical exposure and experience the hospital at night.

The medical student may also have opportunities to gain experience in sub-specialty areas such as neurosurgery, plastic surgery, urology, or ENT.

**Didactic Experience**  
The medical students will be expected to participate in all departmental lectures and conferences.

**Evaluation Method**  
The course director and the chief resident will assess each student’s performance using the appropriate evaluation form and school requirement. For more information about your evaluation, please visit your school web page or the student catalogue.

**Neurosurgery Elective**  
*Course Director: Paul Scott, MD*  
*Duration: 4 weeks*

**Goals**  
The student will develop an understanding of the preoperative, operative, and postoperative procedures and care provided to neurosurgery patients.

**Educational Objectives**  
By the completion of this rotation, the medical student will:

- Develop a basic understanding of surgical pathology and the clinical presentation of a variety of neurosurgical illnesses.
- Gain experience in elective neurosurgical procedures for benign and malignant conditions of the brain and spinal canal.
- Participate in the care of patients with neurosurgical trauma.
- Assist in the performance of surgery.
- Understand the role of consultants and the cost-effective management of patients in the context of evidence-based medicine.

**Clinical Experience**  
The student will function as a surgery intern. The day starts with morning rounds lead by the neurosurgery resident. At the end of rounds, the resident will assign students to floor work, clinic, or the operating room or a combination of the former, depending on the days’ requirements and the students’ expressed desire. The day ends with afternoon rounds.
PLASTIC SURGERY ELECTIVE
Course Director: Paul Scott, MD
Duration: 4 weeks

GOALS
The student will develop an understanding of the preoperative, operative and postoperative procedures and care provided to plastic surgery patients.

EDUCATIONAL OBJECTIVES
By the completion of this rotation, the medical student will:
• Develop a basic understanding of surgical pathology and the clinical presentation of a variety of plastic surgical illnesses.
• Gain experience in reconstructive, cosmetic, burn, and hand surgery.
• Perform simple surgical procedures such as suturing and wound care.
• Assist in the performance of surgery.
• Understand the role of consultants and the cost effective management of patients in the context of evidenced based medicine.

CLINICAL EXPERIENCE
The student will function as a surgery intern. The day starts with morning rounds lead by the plastic surgery fellow. At the end of rounds, the chief will assign students to floor work, clinic or the operating room or a combination of the former depending on the days’ requirements and the students’ expressed desire. The day ends with afternoon rounds.

TRAUMA SURGERY ELECTIVE
Course Director: Paul Scott, MD
Duration: 4 weeks

GOALS
The student will develop an understanding of the initial management of trauma and learn to identify and treat the four classes of hemorrhagic shock.

EDUCATIONAL OBJECTIVES
By the completion of this rotation, the medical student will:
• Develop a basic understanding of the pathophysiology of acute traumatic injuries and their clinical presentation.
• Gain experience in the initial evaluation and treatment of blunt and penetrating injuries.
• Participate in emergency surgery for trauma.
• Help manage critically ill trauma patients in the surgical intensive care unit.
• Perform simple surgical procedures such as venous access, nasogastric tubes, bladder catheterization, suturing, and wound care.

CLINICAL EXPERIENCE
The student will function as a trauma surgery intern on the trauma team. The day starts with morning rounds lead by the senior resident. At the end of rounds, the senior resident will assign students to floor work, clinic, or the operating room or a combination of the former depending on the days’ requirements and the students’ expressed desire. The primary responsibility of the trauma team and the student, however, is to report to the trauma room as new trauma patients arrive. The day ends with afternoon rounds. Call is not required, but students are encouraged to occasionally stay “after-hours” to add to their clinical exposure.

HOW TO APPLY
If you are interested in applying, please call 516-572-5399 or visit us at www.numc.edu.