

<b>FOURTH YEAR ELECTIVE TITLE</b>		<b>COURSE NUMBER</b>	<b>LOCATION</b>
<b>Global Surgery (Non-Communicable Diseases) and Global Injury Elective in Clinical, Education, and Research Systems</b>		<b>SURG 9600</b>	LMIC system (i.e. Hospital Universitario del Valle, and La Fundacion de Lilli, Cali, Colombia University of Antioquia or CES, Medellin, Colombia)
<b>ELECTIVE DIRECTOR</b>	<b>ELECTIVE FACULTY</b>	<b>ELECTIVE CONTACT</b>	<b>CONTACT INFO</b>
Dr. Gregory Peck	As assigned by LMIC Faculty	ALLISSA GERDES 125 Paterson St, Suite 6300 New Brunswick, NJ 08901	PH. 732-235-7766 FAX (732) 235-2964 EMAIL: AHG61@RWJMS.RUTGER S.EDU PECKGR@RWJMS.RUTGER S.EDU
<b>BLOCKS AVAILABLE</b>	<b>DURATION/WEEKS</b>	<b>HOURS PER WEEK</b>	<b>STUDENTS</b>
10,11	MIN: 4 MAX: 4	80 maximum	MAX: 2
<b>LECTURES/SEMINARS</b>	<b>OUTPATIENT</b>	<b>INPATIENT</b>	<b>HOUSESTAFF</b>
YES	NO	YES	YES
<b>NIGHT CALL</b>	<b>WEEKENDS</b>	<b>LAB</b>	<b>EXAM REQUIRED</b>
YES	YES	NO	NO

**\*\*Students must receive approval from Dr. Peck prior to registering for this elective\*\***

**OVERALL EDUCATIONAL GOAL OF ELECTIVE**

- To develop proficiency in the care of the acutely injured or surgically diseased patient
- To enhance communication skills with Spanish-speaking patients and colleagues
- To participate in systems research on the regionalization of injury and non-communicable disease care
- To appreciate the contrasts between systems of care in the United States and trans-nationally

**OBJECTIVES:**

- I. Patient care (if applicable in rotation elective)
  1. Understand the primary and secondary survey of the acutely injured patient
  2. Appreciate procedural skills such as suturing and the insertion of Foley catheters, nasogastric tubes, intravenous catheters, and thoracostomy tubes in LMIC
  3. Be able to direct the trauma evaluation and resuscitation using ATLS guidelines
  4. Understand pre- and postoperative care for the acutely injured patient
  5. Provide compassionate, patient-centered care
  
- II. Medical knowledge
  1. Appreciate the anatomy and physiology of a multisystem surgical or injury related illness and the rationale for current approaches to evaluation and resuscitation
  2. Understand the indications for operative management of blunt and penetrating trauma in LMIC
  3. Develop working knowledge of the basic principles of surgical critical care in LMIC
  4. Demonstrate understanding of the evidence base for modern-day surgical or injury related care
  5. Develop understanding of bi-directional research between Rutgers – RWJMS and trans-national facility
  
- III. Practice-based learning and improvement

1. Assist the Rutgers RWJMS co-students, residents, and/or Acute Care Surgery fellow with weekly presentations on "Trauma hospital and system development in systems collaboration" (when applicable)
2. Maintain log of cases and skills observation; ensure that educational objectives are being met
3. Respond to constructive feedback from onsite faculty and house staff

IV. Interpersonal and communication skills

1. Enhance proficiency in Medical Spanish (or applicable trans-national language)
2. Develop culturally sensitive relations with patients, families, and other healthcare personnel
3. Demonstrate effective teamwork in emergent surgical clinical settings
4. Develop efficient, thorough case presentation skills

V. Professionalism

1. Demonstrate respect for patients, families, and other healthcare providers
2. Show dedication to patient care and involvement with team duties
3. Complete clinical, educational, and research project applicable to concurrent elective focus

VI. Systems-based Practice

1. Spend applicable days of work week collaborating with the Rutgers RWJMS co-students, residents, and/or Acute Care Surgery fellow and trans-national team on systems research in accordance with grant/program objectives
2. Understand the role of specialists, consultants, and other disciplines in the care of the acutely ill patient
3. Appreciate the influence of local socioeconomic, geopolitical, and policy factors on the systems of non-communicable disease and injury care in LMIC

**BRIEF DESCRIPTION OF ACTIVITIES**

A transnational hospital system (i.e. HUV is an 800-bed public university medical center and a regional trauma care hub) with particularly strong exposure to non-communicable disease and injury provides setting for rotation. Rutgers-RWJMS and transnational hospital and medical schools have established an ongoing relationship in which co-students, residents, and/or Acute Care Surgery fellows enhance their clinical and surgical skills, implement systems research, and bi-directionally learn with practitioners non-communicable disease and injury care. The Rutgers RWJMS medical student elective, along with the co-students, residents, and/or Acute Care Surgery fellows, will attend clinical duties from Monday through Friday on transnational acute care surgery service. This will include daily rounds, initial evaluations in the trauma bay, and surgical cases for observation. Depending on the fellow's schedule, the student will also take a 12-24 hour call shift every fourth day when applicable. It is expected that the student will become an integrated asset to the local care team and Rutgers LMIC collaboration effort. In addition, Rutgers-RWJMS holds a grant from the US Agency for International Development (USAID) (2015-2017) and Chancellor scholars or Office of Global Health distinction program to work on coordinating and regionalizing trauma care in LMIC. The Rutgers RWJMS medical student elective will contribute to bi-directional projects and interests and serve as co-author of an abstract or manuscript based on this experience.

The elective will last 4 weeks, between April and May 2016. The student will stay with the RWJMS fellow at a reputable host family in the LMIC, with private transportation, lodging, and dining provided by Rutgers-RWJMS Global Surgery programs.

**METHOD OF STUDENT EVALUATION**

Student will be assessed by the RWJMS fellow and faculty of the LMIC Department of Acute Care Surgery based on achievement of the above listed objectives.

**Are there any prerequisites for this elective?** Yes: third-year Surgery clerkship; basic Medical Spanish

**Is this elective available to third year medical students as well?** No  Yes