

# SURGERY

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Courses given in Surgery have the subject code SURG. For a complete list of subject codes, see Appendix.

## COURSES

The following courses are open to undergraduates. For graduate and Medical School course offerings, see <http://medcatalog.stanford.edu>.

**SURG 67Q. Medical Experience in Foreign Lands**—Stanford Introductory Seminar. Preference to sophomores. Topics may include the history and international development of Interplast, a nonprofit organization providing free reconstructive surgery for needy children and adults in developing nations; health care at King Faisal Hospital, Saudi Arabia; medical conditions in S. India; eye care in Africa; teaching experiences in Dar es Salaam; and rural health care in Latin America. The role such activities play in U.S. international relationships.

*3 units, Win (Wang, N; Laub, D)*

**SURG 68Q. Current Concepts in Transplantation**—Stanford Introductory Seminar. Preference to sophomores. Biological aspects of cell and organ transplantation, including issues that arise in the media. Diseases for which transplantation is a treatment, the state of the art in human transplantation, transplantation of animal tissue into humans (xenotransplantation), development of new tissue and organs in the laboratory (tissue engineering and cloning), and development of drugs and biological strategies to promote long-term survival of the tissue or organ (tolerance). How to write a scientific abstract, critique scientific literature, and research and present topics in contemporary transplantation. Write-2

*3 units, Spr (Martinez, O; Krams, S)*

**SURG 69Q. It's All in the Head: Understanding Diversity, Development, and Deformities of the Face**—Stanford Introductory Seminar. Preference to sophomores. How the face conveys moods and emotions, and elicits reactions when disease or genetic disorders leave behind disfigurement. New work by evolutionary and molecular biologists concerning how variations in facial form are elicited; how tissues and molecules interact to form the face. How differences in facial anatomy affect an individual's self-perception and their acceptance in our beauty-conscious society. Write-2

*3-4 units, Win (Helms, J)*

**SURG 101. Regional Study of Human Structure**—Preference to seniors. Lectures in regional anatomy and dissection of the human cadaver; the anatomy of the trunk and limbs through the dissection process, excluding the head and neck.

*5 units, Win (Gosling, J; Whitmore, I)*

**SURG 111A/211A. Emergency Medical Technician (EMT-1): Training and Application**—(Graduate students register for 211A.) Basics of life support outside the hospital setting; readiness training for emergencies on- or off-campus. Topics include emergency patient assessments, and cardiac, respiratory, and neurological emergencies. Lectures, practicals, and applications. Upon completion of SURG 111A,B,C or 211A,B,C, students are eligible to sit for the National Registry EMT licensure exam.

*3 units, Aut (Gilbert, G; Richards, C)*

**SURG 111B/211B. Emergency Medical Technician (EMT-1): Training and Application**—(Graduate students register for 211B.) Continuation of 111A/211A. Approach to traumatic injuries. Topics include head, neck, and trunk injuries, bleeding and shock, burn emergencies, and environmental emergencies. Lectures, practicals, and applications. Upon completion of SURG 111A,B,C or 211A,B,C, students are eligible to sit for the National Registry EMT licensure exam. Prerequisite: 111A/211A.

*3 units, Win (Gilbert, G; Richards, C)*

**SURG 111C/211C. Emergency Medical Technician (EMT-1): Training and Application**—(Graduate students register for 211C.) Continuation of 111B/211B. Topics include pediatric, obstetric, and gynecologic emergencies, EMS operations, mass casualty incidents, and assault. Lectures, practicals, and applications. Upon completion of SURG 111A,B,C or 211A,B,C, students are eligible to sit for the National Registry EMT licensure exam. Prerequisite: 111B/211B.

*3 units, Spr (Gilbert, G; Richards, C)*

**SURG 112/212. Advanced Topics in EMS and Training in Teaching BLS Skills**—(Graduate students register for 212.) Topics include advanced airway and stroke management, abdominal emergencies, and prehospital pharmacology. Prerequisites: SURG 111 or 211 A-C (or equivalent), EMT-I and CPR certifications, and consent of instructor.

*2-3 units, Aut, Win, Spr (Gilbert, G; D'Souza, P; Richards, C)*

**SURG 199. Undergraduate Research**—Investigations sponsored by individual faculty members. Prerequisite: consent of instructor.

*1-18 units, Aut, Win, Spr, Sum (Staff)*

**SURG 223. Wilderness Medicine**—Wilderness-related illnesses and injuries; framework for dealing with emergencies in the backcountry. Hands-on workshops. Topics include high altitude medicine, diving medicine, hypothermia, snake and spider envenomations, search and rescue, and travel medicine. Open to all students.

*2 units, Spr (Weiss, E)*

**SURG 267. International Health**—Issues in public health with an international perspective. Topics include: colonialism and development, reproductive health, women's health issues, environmental health, maternal child health, primary health care and its evolution, health policy, infectious disease, human rights, and social justice. Guest speakers from UCSF and Berkeley School of Public Health.

*1 unit, not given this year*

This file has been excerpted from the *Stanford Bulletin*, 2007-08, pages 702-703. Every effort has been made to ensure accuracy; post-press changes may have been made here. Contact the editor of the bulletin at [arod@stanford.edu](mailto:arod@stanford.edu) with changes or corrections. See the bulletin web site at <http://bulletin.stanford.edu> for additional information.