

EMD 800A - Emergency Medicine Research**Dr. K. Hiller (Elani Vega 626 1187 evaga@amerc.arizona.edu)**

3-6 wks, 6 wks maximum; offered year round

Directly supervised/Patient care or non patient care

Prerequisites: prior consent of instructor

Goals: This course provides opportunity to develop and conduct a research project in Emergency Medicine**Format & Methods of Evaluation:** The research project, along with the evaluation methods will be arranged by the student and the instructor.**EMD 815T - Emergency Medicine****Drs. K. Reilly, J. Guisto, H. Meislin, K. Iserson, T. Valenzuela, D. Spaite & S. Keim et.al. (Elani Vega 626 1187****evaga@amerc.arizona.edu)**4 wks *only* ; offered year round

Directly supervised/Patient care

Minimum enrollment of 3

Maximum enrollment of 8

Prerequisites: Fourth-year medical students

Goals: This elective introduces students to the problems relating to emergency medicine; teaches them the skills and understanding needed to care for patients who enter the emergency care system; and reinforces their knowledge of basic scientific, organizational and psychosocial principles learned in the first three years with problem-solving in the field of Emergency Medical Care.**Format:** The emergency service unit will be the classroom and laboratory where the student will learn and apply the skills to meet the course objectives. Didactic sessions with corresponding textbook chapters will cover common and true emergent problems. The student will see patients in the Emergency Department for about 40 hours/week. They will be directly supervised by attending faculty. Each student will attend core lectures, rounds and conferences as assigned, and take an examination.**Evaluation Methods:** Evaluation will be based upon two criteria. Most important is the student's ability to demonstrate to the faculty the understanding and skills to care for patients in the emergency setting. The second is a written examination based on the didactic material presented in the course.**EMD 815Y - Medical Toxicology****Dr. F. Walter**4 wks *only*; offered Sept., Oct., April & May

Directly supervised/Patient care

Maximum enrollment of 2

Prerequisites: Fourth-year medical students

Goals: The student will become familiar with the diagnosis and management of common poisonings including analgesics, antidepressants, pesticides, and envenomations. Skills in history taking, differential diagnosis and the complete care of the poisoned patient will be emphasized.**Format:** The student will participate in all aspects of medical toxicology. The student will perform rounds with the Medical Toxicology faculty in the inpatient, emergency department and outpatient settings. The student will be expected to present case presentations and reviews of selected topics. The student serves as a subintern on this consult service.**Evaluation Methods:** The student will be evaluated by the medical toxicology faculty. This will be based on his/her knowledge and understanding of the diagnosis and management of the poisoned patient.**EMD 816J - Cardiopulmonary Resuscitation Instruction****Dr. S.M. Keim & Faculty (<http://www.emergencymed.arizona.edu/cpr/>)**

Offered year round; 3 credits

Directly supervised.

Prerequisites: Students must be matriculated in the four-year College of Medicine program leading to the MD degree. Students must maintain current certification in CPR and successfully complete training and certification as CPR instructors.

Goals:

1. To become certified in the American Heart Association's Basic and Instructor Cardiopulmonary Resuscitation courses.
2. To demonstrate effectiveness as an instructor and provider of CPR.
3. To demonstrate an awareness of the importance of CPR training to individuals and to the community as a whole.
4. To demonstrate commitment to teaching CPR through provision of training courses in the community.

5. To demonstrate an awareness of the needs of special populations regarding CPR training, including those with learning disabilities, the elderly and other high-risk groups, and children.
6. To demonstrate an awareness of common obstacles to encouraging more people to take CPR training, including the lack of access to classes, fear of infectious disease, fear of incompetence, and fear of litigation.
7. To demonstrate an awareness of key frontiers of research currently underway in cardiac arrest and CPR.

Format: Students will participate in activities in this elective throughout their four years of medical education. They will be required to complete 90 hours of contact time dedicated to the activities of this elective, with at least 25% (23 hours) of this time completed in Year IV. Pending appropriate participation in Years I through III, students will enroll in this elective as part of their Year IV program. Upon completion of at least an additional 23 hours during Year IV, students will be awarded course credit for activities completed throughout their medical education.

This elective is composed of three components: providing CPR training, didactic instruction and optional research opportunities.

- 1) As the first component of this elective, students will successfully complete the training to be certified as an Instructor in CPR; time required to complete this training will be counted toward course credit. This goal should be accomplished early in Year I of medical school. Students will be provided a list of CPR educational sites and opportunities; they should make arrangements to provide CPR training to suit their own schedule. Students will make the contacts independently and will not be paid for their training. Elective course faculty will meet with the students to provide additional guidance regarding teaching effectiveness and receive feedback on their performance.
- 2) Students will view didactic sessions on key issues. Topics will include CPR teaching tips; the basic science and clinical correlations of cardiac arrest; CPR research frontiers, including the use of automatic defibrillators in the community; and a review of pertinent, timely journal articles. Each hour attended will count toward the 90 contact hours required to earn course credit.
- 3) Students will have the opportunity to work with College of Medicine physicians currently involved in research related to CPR. Time spent in these research activities will not count toward earning course credit unless the research involves the teaching of CPR. This must be approved in advance by the course director.

Evaluation Methods: The course director will complete a qualitative evaluation of each student's performance at the end of the course.

EMD816K- Cardiopulmonary Resuscitation Instruction Part I

Drs. Samuel Keim & Faculty (Donna Goldberg (520) 626-7233 donna@aemrc.arizona.edu)

Year round, 1 credits

Directly supervised/ Non-Patient care

Prerequisites: Only 1st and 2nd year medical students matriculating in the four-year College of Medicine program leading to the MD degree. Students must maintain current certification in CPR and successfully complete training and certification as CPR instructors.

Objectives:

1. To become certified in the American Heart Association's Basic and Instructor Cardiopulmonary Resuscitation courses.
2. To demonstrate effectiveness as an instructor and provider of CPR.
3. To demonstrate an awareness of key frontiers of research currently underway in cardiac arrest and CPR.

Format:

Students will participate in activities in this elective in years one and two of their medical education. They will be required to complete 40 hours of contact time dedicated to the activities of this elective.

Evaluation:

The course director will complete a qualitative evaluation of each student's performance at the end of the course

EMD816L- Cardiopulmonary Resuscitation Instruction Part II

Drs. Samuel Keim & Faculty (Donna Goldberg (520) 626-7233 donna@aemrc.arizona.edu)

Year round, 2 credits

Directly supervised/ Non-Patient care

Prerequisites: Students must be matriculated in the four-year College of Medicine program leading to the MD degree. Students must maintain current certification in CPR and successfully complete training and certification as CPR instructors.

Objectives:

1. To demonstrate an awareness of the importance of CPR training to individuals and to the community as a whole.
2. To demonstrate commitment to teaching CPR through provision of training courses in the community.
3. To demonstrate an awareness of the needs of special populations regarding CPR training, including those with learning disabilities, the elderly and other high-risk groups, and children.
4. To demonstrate an awareness of common obstacles to encouraging more people to take CPR training, including the lack of access to classes, fear of infectious disease, fear of incompetence, and fear of litigation.
5. To demonstrate an awareness of key frontiers of research currently underway in cardiac arrest and CPR.

Format:

Students will participate in activities in this elective in years three and four of their medical education. They will be required to complete 60 hours of contact time dedicated to the activities of this elective.

Evaluation:

The course director will complete a qualitative evaluation of each student's performance at the end of the course

EMD 891Au/Ai - Emergency Medicine Away Rotation

Dr. K. Hiller (Elani Vega 626 1187 evaga@amerc.arizona.edu)

3-4 wks; maximum length of 4 wks; offered year round

Directly supervised/Patient care or non-patient care

Maximum enrollment of 1

Prerequisites: Completion of clinical clerkships

Goals: To provide the student with an opportunity to participate in a preceptorship program at an approved hospital in this country or abroad. Students must first consult with a member of the Emergency Medicine Department. This faculty member, preferably, would be familiar with the student's area of interest and with the particular hospital in which the student desires the preceptorship. The student is responsible for furnishing the Student Records Office with the name and address of the preceptor at the outside institution.

Format: As determined by the preceptor.

Evaluation Methods: The form issued by the College of Medicine may be used; however, if the preceptor prefers to use the evaluation form of his/her school, this will be acceptable.

EMD 899A - Independent Study

Dr. K. Hiller (Elani Vega 626 1187 evaga@amerc.arizona.edu)

3-4 wks, maximum of 4 wks; offered year round

Directly supervised/Patient care or non patient care

Prerequisites: none

Goals: To provide the student with an Emergency Medicine experience outside of the University of Arizona system. The student must arrange to have a supervising physician at the hosting institution that will coordinate the learning experience and provide the supervising physician's name to the Emergency Medicine office prior to the start of the rotation.

Format/Evaluation Methods: The format and evaluation methods will be arranged by the student and the instructor at the hosting institution.