

**MI120.01 EMERGENCY MED & HEALTH SERVICES RESEARCH****2001-2002****In-Depth****Location: CHS****3/9/2001****COURSE CHAIR:**  
*Larry J. Baraff, M.D.***PHONE #:**  
*(310) 794-0580***COURSE OBJECTIVES (in order of importance)**

1. An in-depth clinical experience in emergency medicine.
2. An introduction to health services research in emergency medicine.
3. An understanding of the use of objective outcome criteria for the determination of standards of clinical management in medicine.
4. The fundamental skills necessary for the development of clinical algorithms.
5. Familiarity with computer-based meta-analysis of multiple studies regarding a specific clinical decision.
6. Use of rule-based microcomputer programming techniques which allow for the use of clinical algorithms during charting.

**SUPPORTING FACULTY:**  
*David L. Schriger, M.D., M.P.H.***STUDENT COORDINATOR:**  
*Joanne Yung* **PHONE #:**  
*(310) 794-0589***REPORT TO:**  
*Nadine Hernandez, SPB 300, 0900 Monday***PREREQUISITES:** *None***AVAILABLE TO EXTERNS:** *Yes***STUDENTS / PERIOD:** *max 2 min 1***DURATION:** *3 weeks***2001-2002 ELECTIVES BEGIN WEEKS:**  
*By Arrangement***DESCRIPTION:** *The UCLA Emergency Medicine faculty are developing outcome and cost-based standards for ambulatory care derived from literature review of specific outcome measures, meta-analysis, and expert panel review. The standards are to be used in a microcomputer-based expert charting system.*

| STUDENT EXPERIENCES  |                         |   |
|--|-------------------------|---|
| <b>COMMON PROBLEMS/DISEASES</b><br>1. Febrile children<br>2. Recurrent seizures<br>3. Headaches<br>4. Back pain<br>5. Localized injuries | <b>INPATIENT:</b> 0%    | <b>CLOSE CONTACT WITH:</b><br>X FULL TIME FACULTY<br>X CLINICAL FACULTY<br>X FELLOWS<br>X RESIDENTS<br>INTERNS<br>OTHER |
|  | <b>OUTPATIENT:</b> 100% |   |
|  | <b>CONSULTATION:</b> 0% |   |
|  |                         |   |
|  |                         |   |

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 25**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 3,400**TYPICAL WEEKLY SCHEDULE**

| Hour  | Monday  | Tuesday                                      | Wednesday                       | Thursday   | Friday                          |
|---|---|--|---------------------------------|--|---------------------------------|
| <b>AM</b>   | Morning Rounds<br>UCLA EMC  | M & M Conference<br>Grand Rounds<br>UCLA EMC | Library Research<br>Programming | Trauma Conference<br>Library Research<br>Programming | Library Research<br>Programming |
|   | UCLA EMC<br>Meet w/ Course Chair<br>Library Research<br>Programming | UCLA EMC                                     | UCLA EMC                        | UCLA EMC<br>Meet with Course Chair                   | Library Research<br>Programming |
| <b>ON-CALL SCHEDULE &amp; WEEKEND ACTIVITIES:</b> | N/A   |  |                                 |  |                                 |

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** *We seek fourth year medical students with an interest in emergency medicine, health services research, or the applications of computers in medicine to help us with this extensive ongoing project. Experience with computers is not necessary.*

**MI185.01 COMPUTERS IN PEDIATRICS****2001-2002**  
**3/9/2001****In-Depth****Location: CS****COURSE CHAIR:**  
*Ray Duncan, M.D.***PHONE #:**  
*(310) 423-6415***COURSE OBJECTIVES (in order of importance)**

1. To participate in ongoing development of hospital information systems. Under direction of instructor, students will design, implement, test, and install a clinically-oriented computer program or information resource for the Pediatric or NICU areas.
2. To assimilate sound design principles for user interfaces with special attention paid to graphics.
3. To familiarize students with state-of-the-art, medically-related computer applications and decision support systems.
4. To review the medical informatics literature with special attention to pediatric applications.

**SUPPORTING FACULTY:****STUDENT COORDINATOR:***Lisa Payne***PHONE #:***(310) 423-4780***REPORT TO:** *Lisa Payne, Cedars-Sinai Medical Center, Room 4400, Monday 9:00 AM.***PREREQUISITES:** *3rd year Pediatric Clerkship (also see additional comments)***AVAILABLE TO EXTERNS:** *Yes***STUDENTS / PERIOD:** *max 1 min 1***DURATION:** *3 weeks***2001-2002 ELECTIVES BEGIN WEEKS:***1,5,8,11,14,17,20,27,27,30,33,36,39,39,42,45,48***DESCRIPTION:** *Practical introduction to development of clinically-oriented computer applications, with emphasis on design of friendly, robust user interfaces. Teaching activities include 3X per week consultations and code review with supervisor, attending rounds, case conferences, and Pediatric Grand Rounds. No patient care responsibilities.***STUDENT EXPERIENCES****COMMON PROBLEMS/DISEASES**  
*N/A***INPATIENT:** *100%*  
**OUTPATIENT:** *0%***CONSULTATION:**  
*100%***CLOSE CONTACT WITH:**

X FULL TIME FACULTY  
 X CLINICAL FACULTY  
 X RESIDENTS  
 INTERNS  
 OTHER

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** *N/A***TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** *N/A***TYPICAL WEEKLY SCHEDULE**

| Hour  | Monday   | Tuesday   | Wednesday  | Thursday   | Friday   |
|---|--|---|--|--|--|
| AM  | 9:00 Meet with Supervisor<br><br>10:00 Programming/<br>Literature Review | 8:30 Pediatric Case Conference<br><br>10:00 Programming/<br>Literature Review | 9:00 Meet with Supervisor<br><br>10:00 Programming/<br>Literature Review | 8:30 Pediatric Grand Rounds<br><br>10:00 Programming/<br>Literature Review | 9:00 Meet with Supervisor<br><br>10:00 Programming/<br>Literature Review |
| PM  | 1:00 Independent Study Time  | 1:00 Team Meetings  | 1:00 Independent Study Time  | 1:00 Team Meetings   | 1:00 Independent Study Time  |
| <b>ON-CALL SCHEDULE &amp; WEEKEND ACTIVITIES:</b> <i>None</i> |  |   |  |  |  |

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** *Students with two or more years of programming experience in a structured programming language preferred. Previous subinternship in pediatrics or neonatology recommended.*