COURSE CHAIR: Larry J. Baraff, M.D. (310) 794-0580

SUPPORTING FACULTY:
David L. Schriger, M.D., M.P.H., William R. Mower, M.D., Ph.D., Michael Shabot, M.D.

STUDENT COORDINATOR: Mickey Murano (310) 794-0586

REPORT TO:
Mickie Murano 924 Westwood Blvd., Suite 330

AVAILABLE TO EXTERNALS: Yes

PREREQUISITES: None

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Febrile children
2. Recurrent seizures
3. Headaches
4. Back pain
5. Localized injuries

INPATIENT: 0%
OUTPATIENT: 100%
CONSULTATION: 0%
PRIMARY CARE: 100%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS
INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 6

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 850

TYPICAL WEEKLY SCHEDULE

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<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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<tr>
<td>AM</td>
<td>Morning Rounds</td>
<td>M &amp; M Conference</td>
<td>Library Research Programming</td>
<td>UCLA EMC</td>
<td>Trauma Conference Library Research Programming</td>
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<td>UCLA EMC</td>
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<td>PM</td>
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<td>Library Research Programming</td>
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<td>Library Research Programming</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: 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 PATIENT CARE

In-Depth Location: CS  Revised: 12/21/05

COURSE CHAIR:  PHONE #:
Robert A. Jenders, M.D., M.S.  (310) 423-2105

SUPPORTING FACULTY: Ray Duncan, M.D., Jerome Wang, M.D., Michael Shabot, M.D.

STUDENT COORDINATOR:  PHONE #:
Judy Jacobs  (310) 423-4658
E-MAIL: judith.jacobs@cshs.org  FAX: (310) 423-5200

REPORT TO: Judy Jacobs, Becker Bldg., Becker 116, North Tower, 9:00 a.m.

PREREQUISITES: 3rd year Pediatric and Medicine Clerkships
(see additional comments)

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 1 min 1

DURATION: 3 weeks

2006–2007 ROTATIONS BEGIN WEEKS:
2,5,8,11,14,17,20,27,30,33,36,39,42,45,48

DESCRIPTION: Twenty-five percent of the student’s time will be spent in didactic education, focusing on directed readings from a textbook (Shortliffe EH, Perreault LE eds. Computer Applications in Health Care and Biomedicine, 2nd ed. Heidelberg: Springer-Verlag, 2001) and assigned papers. The student will review this material with a faculty member in order to learn the breadth of biomedical informatics. The remainder of the elective time will be spent in the clinical practice of informatics, engaging in project-based work in which the student can apply the principles learned didactically. This will involve independent work as well as meetings with a faculty advisor and technical staff members to review progress and discuss challenges. No background in computer science or programming is assumed, and projects are customized for the student’s interests and background. The student will spend one afternoon a week in the outpatient clinic with a faculty member in order to learn how biomedical informatics is applied in medical practice.

COURSE OBJECTIVES (in order of importance)
1. To learn and apply general principles of medical informatics in order to study some aspects of information management in the hospital setting. This will be accompanied by implementing a project that is related to hospital information systems.
2. To familiarize students with state-of-the-art, medically related computer applications and decision support systems.
3. To review the medical informatics literature with special attention to decision support applications for patient care, including error-reduction and improved access to clinical information.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
N/A

INPATIENT: 90%
OUTPATIENT: 10%
CONSULTATION: 100%
PRIMARY CARE: 0%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK/STUDENT: N/A

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>9:00 – 10:30 Independent Reading</td>
<td>Project Work</td>
<td>9:00 – 10:30 Independent Reading</td>
<td>9:00 – 10:30 Project Team Meeting</td>
<td>8:30 – 9:30 Grand Rounds</td>
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<td>10:30 – 12:00 Project Work</td>
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<td>10:30 – 12:00 Project Work</td>
<td>10:30 – 12:00 Project Work</td>
<td>9:30 – 12:00 Project Work</td>
</tr>
<tr>
<td>PM</td>
<td>Project Work</td>
<td>1:00 – 2:30 Didactic Review</td>
<td>1:00 – 5:00 Clinic</td>
<td>Project Work</td>
<td>1:00 – 2:30 Didactic Review</td>
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<tr>
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<td>2:30 – 5:00 Project Work</td>
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<td>2:30 – 5:00 Project Work</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: While many students will choose to implement a project that involves software development, programming experience is not required.