

# Medical Informatics

*Sponsored by the National Library of Medicine and the Marine Biology Laboratory, Woods Hole Massachusetts*

Course Director: Daniel R. Masys, M.D., University of California, San Diego, School of Medicine.

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## 1998 Course Schedule

The general schedule for the course each day will be two 90 minute morning sessions, two 90 minute afternoon sessions, and optional evening "personal skills" workshops.

### Day 0 - Sunday, May 31, 1998

3:30 - 5:30 PM Students arrive

5:30 - 7:00 PM Dinner on your own in Woods Hole (MBL Dining Room is not open on Sundays)

7:00 PM Dessert Buffet, Welcome and Introductions

### Day 1 - Monday, June 1, 1998

Session 1: 8:30 - 10:00 AM

Masys: *What is Medical Informatics?*

Lindberg: *HPCC, NII, current issues in medical informatics*

Session 2: 10:30 - 12:00 N

Masys: *Principles of Database design*

Session 3: 1:30 - 3:00 PM

Rodgers: *The Internet, Yesterday and Today*

Session 4: 3:30 - 5:00 PM

Kingsland: *Unified Medical Language System*

*Internet Grateful Med*

Evening Personal Skills workshop

Smith: *Digital Multimedia using PowerPoint*

### Day 2 - Tuesday, June 2, 1998

Session 1: 8:30 - 10:00 AM

Landsman: *Molecular biology information resources*

Session 2: 10:30 - 12:00 N

Lindberg: *Encryption and Public Policy Issues*

Session 3: 1:30 - 3:00 PM

Rodgers: *The Internet Tomorrow: Emerging Technologies*

Session 4: 3:30 - 5:00 PM

Remson: *Principles of Web Page Design*

Evening Personal Skills workshop

Masys: *Class of '98 Personal Web pages*

### Day 3 - Wednesday, June 3, 1998

Sessions 1-4: 8:30 AM - 5:00 PM  
Newton: *Mathematical modeling*

Evening Personal Skills workshop  
Remsen: *Building Web interfaces to databases*

## **Day 4 - Thursday, June 4, 1998**

Session 1: 8:30 AM - 10:00 AM  
Clayton: *IAIMS (Integrated Academic Information Management System)*  
Lab: *IAIMS demo*

Session 2: 10:30 AM - 12:00 N  
Clayton: *Clinical information system architecture*

Session 3: 1:30 - 3:00 PM  
Sengupta: *Medical databases and vocabularies*  
Lab: *Data encoding (create and browse vocabulary, code HPI)*

Session 4: 3:30 - 5:00 PM  
*Clinical data acquisition and review*  
Lab & demos: *Speech, natural language processing, graphical user interfaces*

Evening Personal Skills Workshop  
Smith: *Java, JavaScript, and Database Access*

## **Day 5 - Friday, June 5, 1998**

Clayton, Hripcsak, Sengupta:  
Session 1: 8:30 - 10:00 AM  
*Decision Analysis*  
Lab: *Case study*

Session 2: 10:30 - 12:00 N  
*Decision-support Systems*  
lab: *Writing medical logic modules*

Session 3: 1:30 - 5:00 PM  
*Costs and benefits (will start with clinical guidelines)*  
Lab: *open forum on impact*

## **Day 6 - Saturday, June 6, 1998**

Sessions 1-3: 8:00 - 3:00 PM  
Safran: *Telemedicine Systems*

Session 4: 3:30 - 5:00 P  
Faculty panel: *Designing a Medical Informatics Curriculum*  
Course Wrap-Up and Farewell