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.

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
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