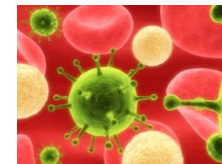




BIOSCIENCE IN THE 21ST CENTURY:

COURSE HIGHLIGHTS AND PROSPECTS



Bioscience PLAYBILL: BioS 10 and BioS 90 Instructors



Ware



Swann



Kuchka

Lehigh University Departments and Programs represented:

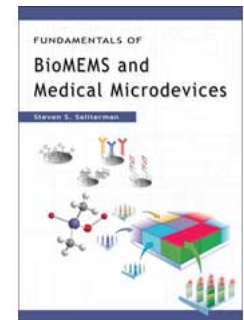
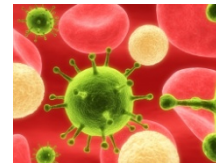
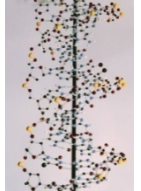
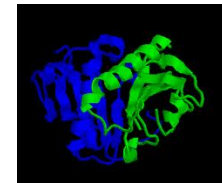
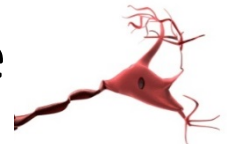
Biological Sciences, Bioengineering, Chemical and Biomolecular Engineering, Computer Science & Engineering, Materials Science & Engineering, Electrical & Computer Engineering, Mathematics, Chemistry

BIOSCIENCE IN THE 21ST CENTURY

- What biologically-relevant problems confront society?
- What are the strategies for studying these problems?
- What are the prospects for solutions to these problems?

Topics for consideration:

- **Social/Ethical issues in bioscience**
- Cancer and novel treatment strategies
- Neurophysiological Processes
- Physiological Basis of Disease and Treatment strategies, including Stem cell biology and disease treatment prospects
- Advances in engineered biosystems , biodevices, and bioimaging
- Genomics, Proteomics, and Bioinformatics
- Microbiology & Infectious diseases



COURSE GOALS AND EXPECTATIONS

Welcome and Introductions

What is this course about?

Course highlights and requirements

Course website: www.lehigh.edu/~inbios21
(for lecture videos, powerpoint slides,
syllabus, schedule)

Coursesite: <http://coursesite.lehigh.edu/>
(for course assignments, study guides, resources)

Bioscience in the 21st Century

www.lehigh.edu/~inbios21