BIÓSCIENCIA EN EL SIGLO XXI:
CURSOS RESALTOS
Y PROSPECTOS
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 PLAYBILL: BioS 10 and BioS 90 Instructors

Lehigh University Departments and Programs represented:

Biological Sciences, Bioengineering, Chemical and Biomolecular Engineering, Religion, Civil & Environmental Engineering, Computer Science & Engineering, Materials Science & Engineering, Electrical & Computer Engineering

Visiting Lecturers from:

Kutztown University (Department of Biology), Stanford University (Department of Bioengineering), St. Thomas Aquinas College (Department of Biological Sciences), Northeastern University (Department of Psychology), Children’s Hospital of Philadelphia, Lehigh Valley Health Network, Merck Inc.
BIOSCIENCE IN THE 21\textsuperscript{ST} 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
- Genomics, Proteomics, and Bioinformatics
- 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
- Microbiology & Infectious diseases
Bioscience in the 21st Century

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