BIOSCIENCE IN THE 21\textsuperscript{ST} CENTURY:

COURSE HIGHLIGHTS
AND PROSPECTS
COURSE GOALS AND EXPECTATIONS

Welcome and Introductions

What is this course about?

Course highlights and requirements

Course website: www.lehigh.edu/~inbios10
(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, Computer Science & Engineering, Materials Science & Engineering, Electrical & Computer Engineering

Visiting Lecturers from:

St. Thomas Aquinas College (Department of Biological Sciences), DeSales University, North Jersey Laparoscopic Associates, Brown University
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
• Genomics, Proteomics, and Bioinformatics
• Microbiology & Infectious diseases
Bioscience in the 21st Century

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