



**EMMANUEL  
COLLEGE**

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[www.emmanuel.edu](http://www.emmanuel.edu)

## Spring 2017 Adjunct Teaching Opportunities

Contact: Dr. Todd Williams, Chair  
617-264-7663  
[williato@emmanuel.edu](mailto:williato@emmanuel.edu)

### Lecture

**BIOL2123 Genetics: Lecture MW 2:50-4:05 with Recitation Tues. 4:30-5:45**

This course covers Mendelian and molecular genetics. Students examine the principles of gene segregation analysis, gene mapping, chromosome structure, DNA replication, transcription, translation and regulation of gene expression. Particular attention is paid to the role of genetics in our world, human, bacterial, and viral genetics. Genetically modified organisms, genome analysis, pharmacogenomics and their social implications are analyzed through discussions and scientific readings. Ethical issues, such as risks for genetic discrimination, genetic testing and personal genomics, are discussed. Problem solving is also emphasized. Three hours lecture and one-hour recitation will be dedicated to problem-solving skills.

### Laboratory

**BIOL1106 Introduction to Organismic and Evolutionary Biology**  
Available section: L1106-01 T 9:25-12:05

This course surveys the kinds of living organisms found on the planet and investigates the evolutionary relationship between them. Emphasis is placed on structure, function and experimentation at the organismal level. Labs for Biology majors are 2hr 40min.