

**MATH 4370 or CS 4390**

# Topics in Bioinformatics

**SPRING 2004 (January 12 – May 8)**

**Tues. & Thurs. 3:00 - 4:20 pm**

**Prerequisites:** Willingness to collaborate with people outside your major field and having completed at least one of the following courses or their equivalents. Most course descriptions can be found at the current on-line catalog

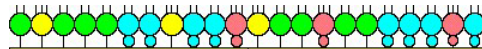
[http://www.utep.edu/graduate/course\\_catalog\\_undergraduate/indexug.htm](http://www.utep.edu/graduate/course_catalog_undergraduate/indexug.htm)

BIOL3320: Genetics  
BIOL3414: Molecular Cell Biology<sup>1</sup>  
CHEM3325: Organic Chemistry  
CHEM4330: Biochemistry: Structure and Function  
CHEM4332: Biochemistry: Dynamics and Information  
CS3330: Problem Oriented Programming Languages  
CS3331: Advanced Object-Oriented Programming<sup>2</sup>  
CS3432: Assembler Language Programming  
EE3384: Probabilistic Methods in Engineering and Science  
MATH3323: Matrix Algebra  
STAT3330: Probability  
STAT3381: Nonparametric Statistical Methods<sup>3</sup>

<sup>1</sup> Go to <http://www.utep.edu/catalogs/undergrad/classes/biol3414.htm> for description.

<sup>2</sup> This course gives an in-depth exposure to the object-oriented programming paradigm, which builds upon programming experience gained in lower-level computer science classes. An emphasis is on programming in an object-oriented language with which students are already familiar, and on requirements, testing, code reading, and comprehension.

<sup>3</sup> Go to <http://www.utep.edu/catalogs/undergrad/classes/stat3381.htm> for description.



For more information, please contact Dr. Ming-Ying Leung (Bell Hall 225, Phone: 915-747-6836, [mleung@utep.edu](mailto:mleung@utep.edu)) or visit <http://www.bioinformatics.utep.edu/mleung>.