

**QUANTITATIVE
BIOLOGY** **QB****College of Natural Science****826 Introduction to Quantitative Biology
Techniques**

Summer. 1 credit. RB: Undergraduate mathematics through calculus (MTH 133)

Interdisciplinary hands-on biology and computing methods.

827 Problems in Quantitative Biology

Fall. 2(2-0) RB: Undergraduate mathematics through calculus (MTH 133). Bachelors degree in a biology discipline or in another science or engineering discipline.

Selected biology problems studied using interdisciplinary and quantitative approaches.

828 Biology for Interdisciplinary Scientists

Spring. 3(3-0) RB: Bachelors degree in a non-biology science or engineering discipline.

Introduction to biology in the context of quantitative analysis and theory.

**829 Introduction to Physical, Mathematical
and Computational Methods**

Spring. 3(3-0) RB: Bachelors degree in a biology discipline.

Theory and hands-on training in physical, chemical, mathematical, and statistical methods used in current biology research.

830 Special Topics in Quantitative Biology

Fall, Spring. 1 to 3 credits. RB: Calculus II
R: Open to undergraduate students or approval of college.

Selected topics in quantitative biology are covered at an advanced level, to include student presentations of the primary literature