Time/Days: 2:30-3:20PM (Mon., Wed., & Fri.)
Bldg/Room: PHY 313
Instructor: Bae-Yeun Ha (PHY 372)
Office Hour: Wednesday 4:00AM - 5:00PM

Books:

3. Mathematics for Biological Scientists, 3rd Edt. by Mike Aitken et al.

Exams: 1 mid-term (20%) & 1 final (50%)
Homework: assigned biweekly (30%)
Course web page: learn.uwaterloo.ca
TAs: Aruna Rajagopal (arunarajagopal59@gmail.com)

Marking scheme (your mark) not to be changed (for a personal reason)

Academic Integrity: lib.uwaterloo.ca/ait

TOPICS (refer to slide presentation for details):

Introduction to modeling living systems and their components. Statistical methods in data analysis, curve fitting, including p values. Fourier series and transforms, structural analysis, including nearest neighbor distributions in biomedical applications. Introduction to methods for analysis of transport properties in biological systems. Use of computers in these areas.

Prereq: PHYS 112 or 122; MATH 127
Coreq: One of MATH 118, 119, 128, 138, 148