BIOLOGICAL MATHEMATICS (BIOM)

BIOM 300 Modeling Techniques in Biology Units: 3.00
Modeling will be presented in the context of biological examples drawn from ecology and evolution, including life history evolution, sexual selection, evolutionary epidemiology and medicine, and ecological interactions. Techniques will be drawn from dynamical systems, probability, optimization, and game theory with emphasis put on how to formulate and analyze models.
Learning Hours: 120 (36 Lecture, 84 Private Study)
Requirements: Prerequisite (MATH 120/6.0 or MATH 121/6.0 or MATH 124/3.0) and (MATH 110/6.0 or MATH 111/6.0 or MATH 112/3.0).
Offering Faculty: Faculty of Arts and Science