BIOLOGICAL MATHEMATICS (BIOM)

BIOM 300  Modeling Techniques in Biology  Units: 3.00
Modeling will be presented in the context of biological
elements 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