BIOL 406 : Biology of Cancer

A. Course Description

Credits: 3

Prerequisites:

MATH 115 College Algebra
OR
MATH 120 Precalculus

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week:

MnTC Goals: None

Covers the genetic, physiological, and molecular principles underlying the causes and treatments of cancer. Course focuses on the regulatory pathways and their genetic flaws that govern cell proliferation, angiogenesis, malignancy and metastasis. Intended for biology majors in their senior year.


C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Explain and apply scientific knowledge in the biology of cancer, both theoretical and experimental, at the upper division level.
2. Read and interpret primary scientific literature in cancer biology.
3. Recall, explain and apply the concepts, knowledge and vocabulary of cancer biology at the level necessary for success in graduate study in this field.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission. First day attendance required except by instructor permission.