

BIOL 420: Advanced Topics in Cell Biology

This detailed course description provides information about course topics & content. It is not a course syllabus. Summer 2013 course syllabi are updated in the spring, and may not be available until summer classes begin.

Instructor Information

Instructor	Email	Course Format	Number of Credits
Valerie Olmo	valolmo@umbc.edu	Lecture	4

General Information

Delivery Format

In-Person

Prerequisite /Co-requisite:

BIOL 302

Course Materials

No textbook- We will be using primary literature and online sources for our class discussions

Course Objectives/Learning Outcomes:

By the end of this course, the student will be able to:

- **describe** the five basic cellular processes covered throughout this course
- **express** scientific principles and process clearer and concisely in writing assignments
- read and **evaluate** primary literature
- **design** a virus that manipulates the cellular processes discussed in this course

Potential Topics Covered:

Mechanisms of cell entry

Transcription

Translation

Nuclear transport

Apoptosis

Secretory pathway

Exocytosis