

# 03-380 Virology

Instructor: Ihab Younis

- Elective for **Biological Sciences Majors**
- 9 Units (**2 x75 minutes lecture/week**)
- Pre-requisites: **Cell Biology**
- Co-requisite: **none**



**Student evaluation:** 3 exams, in-class worksheets, final project and poster presentation.

## Learning Goals

- Recognize and compare the various classes of animal viruses
- Conceptually describe and analyze the steps required for viral replication
- Articulate the complexities of the structure of viral genomes and virions
- Understand the host's mechanism of defense against viral infection and describe viral antagonisms to these defenses
- Articulate the basic features of viral pathogenesis
- Discuss antiviral technologies from vaccines to antiviral drugs
- Read primary research articles in the field of virology and apply critical thinking for analysis of these articles