CMMB 421 “Virology” Course outcomes

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

1. Explain, and discuss the major principles and concepts of a wide range of viruses including:
   i. Bacteriophages
   ii. Plant viruses
   iii. Human and Animal viruses

2. Promote understanding of the interrelationships among fields of inquiry within biology by stressing the connection of Virology to evolution, cell biology, the environment, infectious disease, epidemiology, immunology and molecular biology.

3. Make informed decisions on the benefits and drawbacks of vaccination against human viruses.

4. Explain and present ideas effectively in an oral presentation, to different groups of people (scientific and nonscientific audiences).

5. Communicate scientific information by writing a scientific literature review (with an appropriate bibliography) and in particular be able to recognize and present primary scientific literature.

6. Assess, in the field of virology, scientifically based information and critically evaluate the information.

7. Recognize members of the U of C community carrying out research on bacteriophages, viruses and prions and be able to describe their findings.