

**BIO 563 Virology
(Fall 2023)**

Text Book: Fundamentals of Molecular Virology, 2nd Edition, by Nicholas H. Acheson

Instructor: Yuntao Wu (Phone: 703-993-4299; email: ywu8@gmu.edu)

Office: PWII, Room 306

Class, Tuesday 4:30 pm – 7:10 pm. Online (on black board)

Important Dates:

Nov. 5, Tuesday, Election Day, No class

Dec. 10, Tuesday, Reading day (No class)

Dec. 17 Tuesday, Final Exam

August 27

Introduction I: Dr. Wu and his research in HIV virology

September 3

Introduction II: Flow cytometry

September 10

Section I: Introduction to Virology

September 17

Section I: introduction to Virology

September 24

Section II: Viruses of bacteria and archaea (Self-Reading).
Paper Presentation #1

October 1

Section III: Positive-strand RNA viruses of eukaryotes.
Paper Presentation #2

October 8

Section IV: Negative-strand and double-stranded RNA viruses of eukaryotes.
Paper Presentation #3

October 15

Section V: Small DNA viruses of eukaryotes.
Paper Presentation #4

October 22

Section VI: Larger DNA viruses of eukaryotes.
Paper Presentation #5

October 29:

Section VII: Viruses that use a reverse transcriptase.
Paper Presentation #6

Nov 5: Election Day No Class

November 12

Section VIII: Viroids and Prions.
Paper Presentation #7

November 19

Section IX: Host Defenses Against Virus Infection.
Paper Presentation #8

November 26

Section X: Antiviral vaccine
Paper Presentation #9

December 3

Section XI: Antiviral Agents and viral vector
Paper Presentation #10

December 10: Reading week

December 17: Final Exam

Final Exam: multiple choice

Paper Presentation (30%)

*** Class participation (20%)**

Final Exam: multiple choice and short questions (50%)

Bonus for class activity: 5%

*** Class participation:**

- For each class attendance: 0.5%. Total: 10 classes x 0.5% = 5%

Grade will be deducted for late (0.1% deduction) and half class (0.25% deduction)

- Activity in class: 1.5 % for each class. Total: 10 classes x 1.5 % = 15%

excluding the first two class. Each student is required to ask at least 1 question to the presenter to earn 2.5%. If good questions are asked, a bonus 0.5% will be awarded

A+: 95-100%

A: 90-94%

A-: 85-89%

B+: 80-84%

B: 75-79%

B-: 70-74%

C+ 65-69%

C: 60-64%

D-: 50-59%

F: < 50%