

**BIO 563 Virology
(Fall, 2012, Bull Run Hall 246)**

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 7:20 pm – 10:00 pm. Bull Run Hall Room 247

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.

October 1

Section III: Positive-strand RNA viruses of eukaryotes.

October 8 Section IV: Negative-strand and double-stranded RNA viruses of eukaryotes.

October 15 (NO class)

October 22

Section V: Small DNA viruses of eukaryotes.

October 29

Section VI: Larger DNA viruses of eukaryotes.

November 5

Section VII: Viruses that use a reverse transcriptase.

November 12

Section VIII: Viroids and Prions.

November 19

Section IX: Host Defenses Against Virus Infection.

November 26

Section X: Antiviral Agents and Virus Vectors

December 3: Review

December 10: Final Exam

Final Exam: multiple choice

Paper Presentation or essay writing (30%)

*** Class participation (30%)**

Final Exam: multiple choice and short questions (40%)

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: 2.5% for each class. Total: 10 classes x 2.5% = 25%

excluding the first two class. Each student is required to ask at least 2 questions to the presenter to earn 2.5%. If good questions are asked, a bonus 0.5% will be awarded

A: 93-100%

A-: 90-92%

B+: 87-89%

B: 83-86%

B-: 80-82%

C+ 77-79%

C: 70-76%

D-: 60-69%

F: < 60%