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Office Hours: Wed., 5:00-5:30 pm & Thurs. 12:30-1:30 pm; or by appointment.

Course Description:

BIOL 4510 Virology 3-0-3 (3 credit hours) Prerequisites: BIOL 1107, BIOL 1108, BIOL 3100. or consent of instructor.

BIOL 6510 Virology 3-0-3 (3 credit hours) Prerequisite: Admission into the graduate program or permission of the instructor.

An introduction to viruses and other non-cellular infectious agents. Topics include the structure and composition of these agents, their replication, effects on their host, and host responses. Methods for studying these agents, their origins and evolution, and their uses in biotechnology will also be discussed.

Required Textbook: **UNDERSTANDING VIRUSES, Second Edition**

By Teri Shors
Jones & Bartlett Learning 2013
ISBN 978-1-4496-4892-3

Additional Resource: **BASIC VIROLOGY, Third Edition**

by Edward K. Wagner, Martinez J. Hewlett, David C. Bloom, and David Camerini
Blackwell Publishing 2008
ISBN 978-1-4051-4715-6

The instructor will place a copy of this book on reserve in the library. You may need to consult it periodically.

Other Materials:

Calculator that is not integrated with a cell phone
One CD (or jump drive) for oral presentation
One thin, light-weight folder for handing in assignments (No 3-ring binders, please)
Paper clips or stapler/staples for organizing references and assignments

SPECIAL NOTES TO STUDENTS:

1. In order to respect the privacy of each student, exam scores and grades will not be posted, given out by telephone, or sent to students by email.
2. Students should consult the VSU Student Handbook, Undergraduate Catalog, Semester Calendar, Schedule of Classes, & Registration Guide (all available online) for information about VSU policies and procedures regarding registration, conduct, drop/add, and withdrawal. October 2 is midterm. Students are not permitted to withdraw after October 9 except in cases of hardship.
3. 3.n45 TD7[65.554

***This is a tentative syllabus. Changes to this syllabus will be announced during class periods; alternatively, changes may be posted on BlazeView. Graduate students who are taking BIOL 6510 must meet with the instructor to discuss additional course requirements & grading.**

SPECIAL NOTES TO STUDENTS (continued):

5. Please use the rest room before you come to class to take an exam. Should a student need to leave the classroom during an exam, the student's exam will be terminated.

6. Students are expected to read and adhere to the following: (i) the VSU Student Code of Conduct as described in the VSU Student Handbook and (ii) the Biology Department policy on plagiarism (available online through the departmental Web site). The instructor may use a variety of methods for detecting cheating and plagiarism. Cheating or plagiarism will result in a grade of "0" for the exam or assignment. In addition, the instructor may complete a Report of Academic Dishonesty and submit it to the VSU Student Conduct Office. A student who cheats or plagiarizes will be subject to disciplinary action.

TENTATIVE CLASS SCHEDULE

Date	Topics	Related material in text
<u>Mon. Oct. 13</u>	Viruses and cancer Student oral presentations (attendance required)	Chapter 10
<u>Wed. Oct. 15</u>	Viruses and cancer Student oral presentations (attendance required)	Chapter 10
Mon. Oct. 20	Poliovirus and other enteroviruses	Chapter 11
Wed. Oct. 22	EXAM 2 (material covered through Oct. 20)	
Mon. Oct. 27	Influenza viruses	Chapter 12
<u>Wed. Oct. 29</u>	Influenza viruses Student oral presentations (attendance required)	Chapter 12
<u>Mon. Nov. 3</u>	Rabies Student oral presentations (attendance required)	Chapter 13
<u>Wed. Nov. 5</u>	Poxviruses Student oral presentations (attendance required)	Chapter 14
<u>Mon. Nov. 10</u>	Poxviruses Herpesviruses Student oral presentations (attendance required)	Chapters 14 & 15
<u>Wed. Nov. 12</u>	Herpesviruses Student oral presentations (attendance required)	Chapters 15
Mon. Nov. 17	Human immunodeficiency virus	Chapter 16
Wed. Nov. 19	Hepatitis viruses <u>Assigned reading: New viruses & viruses that are reemerging, Chapter 18</u>	Chapter 17
THANKSGIVING HOLIDAY		
Mon. Dec. 1	Hepatitis viruses Prions & viroids	Chapters 17 & 18
Wed. Dec. 3	Bacteriophages	Chapter 21
Mon. Dec. 8	Bacteriophages	Chapter 21
Fri. Dec. 12	Comprehensive Final Exam	

