

Introductory Virology
POPH/MIBO/IDIS 4650/6650
Fall Semester 2014, Tuesday and Thursday 11-12:15
Dawson Hall Room 208
Course Coordinators: García, He & Jackwood

Dates	Lectures and Exams	Assigned Reading	Instructor
8/19	Introduction- Taxonomy, Viral Genomes and Structure	Chpts 1 & 2 Norkin	He
8/21	Viral Entry, Replication, and Release		He
8/26	Viral Entry, Replication and Release		He
8/28	Host response to viral infections I	Chpt. 4 Norkin	He
9/2	Host response to viral infections II		He
9/4	Scientific Paper Discussion		He
9/9	Picornaviruses, Flaviviruses, Togaviruses	Chpts. 6, 7 & 8 Norkin	He
9/11	West Nile virus		He
9/16	Reoviruses and Rotaviruses	Chpt. 5 Norkin	He
9/18	1st Exam (7 lectures & paper)		He
9/23	Coronaviruses	Chpt. 12 Norkin	Jackwood
9/25	Coronaviruses (SARS)		Jackwood
9/30	Orthomyxoviruses	Chpt. 9 Norkin	Pantin-Jackwood
10/2	Technology and Methodology		García
10/7	Scientific paper		Jackwood
10/9	Avian Influenza		Pantin-Jackwood
10/14	2nd Exam (5 lectures & paper)		Jackwood
10/16	DNA Virus Replication		García
10/21	How viruses cause tumors		García
10/23	Paramyxoviruses, Filoviruses, Boraviruses	Chpts. 11 & 13 Norkin	Fu
10/28	Rabdhoviruses (Rabies)	Chpt. 10 Norkin	Fu
10/30	Polyoma, Adenovirus	Chpts. 15, 16, & 17 Norkin	García
11/4	Papilloma and Hepatitis		García
11/6	Retrovirus	Chpt. 21 Norkin	Zavala
11/11	Herpesvirus & Poxvirus	Chpt. 18 Norkin	García
11/13	Antivirals & Vaccines	Chpt. 19 Norkin	García
11/18	Review		García
11/20	3rd Exam (8 lectures & paper)		García
11/24 11/28	Thanksgiving Break		
12/2	Graduate Students Presentations		Garcia & Jackwood
12/4	Graduate Students Presentations		Garcia & Jackwood
12/9			
12/16	Final Exam (Cumulative) 12- 3 pm		Garcia/Jackwood

COURSE OBJECTIVES OR EXPECTED LEARNING OUTCOMES The objective of this course is to familiarize undergraduate and graduate students with the different viral families, their classification, replication, pathogenesis, epidemiology and control of the viral diseases.

ADDITIONAL REQUIREMENTS FOR GRADUATE STUDENTS

Graduate students will be required to present the findings of a research paper during 15 minutes oral presentation. You must submit the paper/topic to Dr. García for approval by 10/24 and the Power point presentation must be submitted to Dr. García by 11/7 for review before it can be presented.

GRADING SYSTEM:

Grade Scale: A 100-93, A- 92-90, B+ 89-87, B 86-83, B- 82-80, C+ 79-77, C 76-73, C- 72-70, D+ 69-67, D 66-63, D- 62-60, F <60. Note: grades ending in >.5 round up to the next whole number, e.g. 92.6 rounds to 93, but 92.5 counts as 92.

Undergraduates	3 exams + Final exam = 80%
	3 work sheets = 15%
	Class participation and attendance = 5%
Graduates	3 exams + Final = 70%
	3 work sheets = 15%
	1 presentation = 10%
	Class participation = 5%

If you miss an exam (unexcused), that is scored as a zero. Make-up exams for excused absences must be arranged with the professor giving the exam (see syllabus) well in advance for University-approved absences or the day of return from an illness (Doctor's excuse is required for **full period of absence**). Exams may have a mix of short answer, discussion, multiple choice, and fill-in tables. You must use a pen to take the exams or you cannot request a re-grade. *Re-grading must be requested in writing with an explanation of the reason that re-grading is needed within 7 days after the exam is returned to the class. **There will be no individual extra credit (papers or assignments) to improve grades.***

READING ASSIGNMENTS: Reading assignments from the required text book, **Virology: Molecular Biology and Pathogenesis, L. C. Norkin. ASM Press**, are listed on the syllabus. The assigned research articles will be posted on the e-Learning Commons site for the course. For supplementary readings on lecture topics the text book entitled Basic Virology by Wagner is recommended.

There are no designated office hours for the Instructors; you may set up appointments with the Faculty by e-mail (Please do not just drop by our offices!):

Dr. Garcia mcgarcia@uga.edu

Dr. Jackwood mjackwoo@uga.edu

Dr. He bhe@uga.edu

Power-point slides for each lecture will be posted to the e-Learning Commons (<http://elc.uga.edu/>). Note that there is significant material covered in lectures that is NOT in the textbook or the posted ppt. **Therefore it is essential that you attend lectures and take notes to fully understand the material for this course. Remember, participation in class is 5% of your grade.**

All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work.

http://www.uga.edu/ovpi/academic_honesty/academic_honesty.htm

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.