This is a 4-credit lecture and seminar format course intended for advanced undergraduate Biology majors and graduate students who have had a basic course in molecular and cellular biology.

This syllabus may be subject to change. These are challenging and unprecedented times and we must be flexible to address changing needs. The number of registered students is more than double the historic level. About half have indicated they will be attending remotely (whether continuously or discontinuously) rather than the standard of all in one classroom.

Reading assignments: Readings will consist of review articles and peer reviewed research articles; these will be assigned weekly and posted on NYU Classes in the Resources folder. You are expected to read every paper, preferably before the class session.

Assessment: Students are expected to participate in class discussions (5% of grade). Additional evaluations will be based on a Midterm (30% of grade; 10/13/20), 10-minute power point presentation in class (either 12/1/20 or 12/8/20; 30% of grade) and a Final exam (35% of class grade; date 12/15/20). Some students will be taking exams and giving presentations at a time different from the regularly scheduled class in NYC; this accommodation will be negotiated individually. Any student who needs additional academic accommodations must be registered through the Moses Center, which assesses the individual’s need and notifies the instructor.

NYU policy for absences due to illness is to a) notify the professor prior to class/exam and b) to provide a doctor’s note indicating illness prevents attendance.

Office hours: Prof. Reiss is available for a Zoom conference by appointment, please email carol.reiss@nyu.edu and provide several days/times when you are available.

Student Presentation: The topic of the power point presentation must be submitted in writing and be approved by the Course Director by 10/13/2020 and the slide set submitted by 3PM Eastern time on Friday 11/27/2020 (note this is the day following Thanksgiving). A guide to developing the talk will be in the NYU Classes Resources folder and follows this syllabus. The Course Director will determine the order and date of presentations.

Synchronous and non-synchronous participation: Given the extraordinary circumstances of the Fall 2020 semester, many students may not be in NYC and may be participating from another time zone and/or country. We will try to accommodate the needs of students for the examinations and the presentations.
**Academic Integrity:** Students are expected to know and understand the policies on academic integrity, including University, GSAS <http://gsas.nyu.edu/content/nyu-as/gsas/aboutgsas/policies-and-procedures/gsas-statement-on-academic-integrity.html>, and CAS policies: <https://www.nyu.edu/about/policies-and-guidelines/compliance/policies-and-guidelines/academic-integrity-for-students-at-nyu.html>; https://cas.nyu.edu/content/nyuas/cas/academic-integrity.html.

If a student is caught cheating or plagiarizing, the Instructor may, at her or his discretion, give the student an academic sanction, which may include a warning and/or reduction of the grade on an assessment item (e.g. exam) or even the final course grade (in consultation with the Director of Undergraduate/Graduate Studies, who may meet with the faculty and the student to discuss the nature of the offense). Depending on the severity of the infraction, this could even mean failure of the student in the course. The student may appeal any grade reduction to the Director of Undergraduate/Graduate Studies. The departmental decision is final. In addition, any substantial case brought to the Director of Undergraduate/Graduate Studies must be referred to the Dean’s office for possible disciplinary action.

If you have any questions or uncertainties about these policies, please consult the Instructor, Director of Undergraduate Studies, Director of Graduate Studies, or the Dean’s office.

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9/8/20 Biology of Viruses; Innate and Adaptive Immunity; Viral evasion of host responses & Oncolyis

9/15 Picornaviruses (polio, EV68, EV71, Coxsackie & Hepatitis A Virus), Rotaviruses, Norovirus

9/22 Influenza, HCV

9/29 Parainfluenza viruses (Measles, Respiratory Syncytial, Mumps, Hendra & Nipah virus)

10/6 Arboviruses (Dengue, West Nile, Japanese Encephalitis, Powassan)

10/13 **MIDTERM (8-9AM)**; Rabies (9-10:30AM)

10/20 Coronaviruses (MERS, SARS-CoV-1, SARS-CoV-2)

10/27 Human retroviruses & HIV

11/3 Adenoviruses, Papillomaviruses

11/10 α, β, γ Herpes viruses; Poxviruses

11/17 Re/Emerging infections (Lassa & Ebola)

11/24 Re/Emerging infections (Zika, Yellow Fever, CHIKV)

12/1 Student presentations

12/18 Student presentations

12/15 **Final Exam 8-10 AM**
Instructions for Student Power Point Presentations

1. Think of a topic, start doing some reading. The topics should not be too broad or too narrow in focus. It should be timely.

2. Choose a title and support it with 3 recent (published after December, 2017) citations. Provide these by email to Dr Reiss (carol.reiss@nyu.edu). There usually is a dialog that may take several emails to be approved.

3. Topics must be approved on or before Tuesday, 10/13/20 at 3pm.

4. Develop a ten-minute Power Point presentation. Your presentation should be 10-12 slides, in general. Sources of all material (ideas and data) must be explicitly acknowledged.

5. If you know you have a calendar conflict on either 12/1 or 12/8, please inform Dr. Reiss as soon as this is apparent, but before 11/1/20. Only half of the talks will be scheduled for 8-10:30am (NYC time) on either date, and another time block on both of those days will also be set aside, to accommodate students.

6. The .ppt must be emailed to Dr Reiss on or before 3 pm on Friday 11/27/2020. There will be no revisions in the presentations after they are submitted. The.ppt filename must have your name.

7. A schedule will be circulated with the order of student talks on or before 11/27/2020.

8. Students will have the opportunity to:
   a) ask a few questions of the presenter (if enrollment permits)
   b) vote on the Student Choice Award.

9. Grading criteria are the 10-minute time limit, effectiveness of slides, effectiveness of verbal presentation, and analysis of the topic.

8/13/20