

BIOS 4803 Virology Syllabus placeholder

3 credits

Fall 2026

Instructor Information

Instructor: TBD; at this time, course inquiries can be directed to Dr. Chrissy Spencer, Associate Chair, Biological Sciences

Email: chrissy.spencer@biology.gatech.edu

General Course Information

Description

Students will explore the fundamental principles that govern the behavior of viruses to learn about the various types of viruses, their structures, replication strategies, and mechanisms of pathogenesis. The basic principles of virus-host interactions and modern biotechnologies applicable to basic research, medical, and industrial contexts are introduced in this course designed for graduate and upper-level undergraduate students.

Course Learning Outcomes

By the end of the course, students will (i) have a comprehensive understanding of virology, from molecular biology to public health applications and (ii) practice interpreting and evaluating scientific literature in virology and to develop innovative approaches to tackle viral infections.

Required Course Materials

To be determined by the course instructor

Grading Policy:

To be determined by the course instructor

Description of Graded Components

To be determined by the course instructor

Course Policies

Attendance and/or Participation

To be determined by the course instructor

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Pre- &/or Co-Requisites

Genetics or Cell & Molecular Biology