

**Virology – Biology W3310/W4310 Spring 2016**  
**Prof V. Racaniello**  
**Study questions for lecture 1 – What is a virus?**

1. How many viruses do we carry at any given time? Why don't these make us sick?
2. How can viruses be beneficial? Why do we care that they comprise the most biodiversity on the planet?
3. What is the definition of a virus?
4. How does viral replication differ from that of bacteria?
5. Why was filtration used to define viruses, and how has this parameter changed?
6. How are viruses classified?
7. What two simple facts provide an underlying simplicity and order to viruses?