



Sample 15-week Phage Discovery Semester Schedule

Weeks	Experiments
1-4	Students isolate and purify phages from environmental samples
5-6	Students amplify purified phage
7-9	Students isolate phage genomic DNA and perform restriction digest analyses of genomic DNA samples.
8-10	Students prepare grids to visualize phage morphology by electron microscopy
9-12	Students evaluate the quality of their DNA samples, and as a group, decide which genome will be submitted for sequencing.
12-15	Students prepare samples of their phage lysates for archiving, and input information about their phage samples on the phage database