

**Virginia Union University**  
**Course Syllabus**

**Tentative Laboratory Schedule**

(please note that the dates are subject to change. You are strongly encouraged to maintain accurate notes and updates as stated during the lab period and posted to [my.vuu.edu](http://my.vuu.edu))

<u>Date</u>	<u>Topic/Protocol</u>	<u>Assignment</u>	SEA-PHAGES Program
August 15	Introductions		
August 17	Lab Basics		
August 22	Aseptic Technique		
August 24	Phage/Host Basics	Assessment: Lab Basics	
August 29	Aseptic Techniques Practicum		
August 31	Assessment: Chapters 3 and 4	Collect Environmental Samples	
September 1- October 31			Virtual Site Visit with SEA-PHAGES
September 5	Holiday		
September 7	Direct Isolation/ Enriched Isolation		
September 12	Spot Test/Pick-A-Plaque		
September 14	Plaque Assay		
September 19	Cumulative Assessment: Discovery Day Posters	Lab Notebook Check Discovery Day Posters	
September 21	Plaque Assay		
September 26	Collecting Phage Lysates		
September 28	Spot Titer/Full Plate Titer		
September 30			Add section data to <a href="http://SEA-PHAGES.org">SEA-PHAGES.org</a>
October 1			Identify Trainees and Register for Bioinformatics Workshop

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October 3	Making Webbed Plates		
October 5	Collect Plate Lysates (High Titer)		
October 10	Phage DNA Extractions		
October 12	Restriction Enzyme Digestion (Set Up)		
October 17	Lecture: RE/Gel Electrophoresis		
October 19	Run Gel/Analyze		
October 24	<a href="http://PhagesDB.org">PhagesDB.org</a>		
October 26	<a href="http://PhagesDB.org">PhagesDB.org</a>		
October 31	Electron Microscopy		
November 2	Assessment Presentations: Why sequence your phage?	Why sequence your phage? Power Point Presentation	
November 7	Assessment Presentations: Why sequence your phage?	Why sequence your phage? Power Point Presentation	
November 14	Prep Samples for Sequencing		
November 16	Prep Samples for Sequences		
November 18			Lab Day to Submit for Sequencing
November 21	Archiving Samples		
November 23	Archiving Samples		
November 28	Review	Lab Notebook Check	
November 28- December 16			PITS Survey Fall 2016
November 30	Phage Challenge		
December 5-9			Bioinformatics Training Workshop
December 15, 2016			Archiving Samples Due to the University of Pittsburg