	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
7:30 AM	Pre-Arrival Assignment:	7:30 | **Breakfast** | 161 Patapsco	7:30 | **Breakfast** | 161 Patapsco	7:30 | **Breakfast** | 161 Patapsco	7:30 | **Breakfast** | 161 Patapsco	7:30 | **Breakfast** | 161 Patapsco	7:30 | **Breakfast** | 161 Patapsco
8:00 AM	Review Phage Discovery Guide:	8:30 | **Lab Meeting** | Kristen Butela| 120 Meyerhoff	8:30 | **Lab Meeting** | Kristen Butela| 201 Meyerhoff	8:30 | **Lab Meeting** | Kristen Butela| 120 Meyerhoff	8:30 | **Lab Meeting** | Kristen Butela | 201 Meyerhoff	8:30 | **Lab Meeting** | Kristen Butela | 201 Meyerhoff	8:30 | **Lab: Amplification III - Webbed Plates** | Allison Johnson, Vic Sivanathan | 201 Meyerhoff
8:45 AM	Chapters 1 - 3; Video Protocol p5.1	8:45 | **Lec: Isolation III - Direct Isolation, Plaque Assay** | Carlietta Paige-Anderson | 120 Meyerhoff	8:45 | **Lec: Ordering, Preparing Reagents, Resources** | Vic Sivanathan | 201 Meyerhoff *Phage instructors Guide - Appendix*	8:45 | **Lec: Purification III - Collecting Plate Lysates, Spot Titer, Full Plate Titer** | Allison Johnson | 120 Meyerhoff	8:45 |**Lab: Characterization - Gel Electrophoresis** | Carlietta Paige-Anderson, Arturo Diaz | 201 Meyerhoff	8:45 | **Lab: Microscopy - Grid Setup & Imaging** | Arturo Diaz, Vic Sivanathan | 201 Meyerhoff *p8.1a&b: Mounting Phage Samples for TEM*	8:45 | **Lab: Amplification II - Webbed Plates** | Allison Johnson, Kristen Butela, Bob Harms | 201 Meyerhoff *p7.1: Making Webbed Plates*	
9:00 AM		9:15 | **Demo: Isolation III - Direct Isolation, Plaque Assay** | Carlietta Paige-Anderson | 201 Meyerhoff	9:15 | **Lec: Working with Bacteria & Phage**| Vic Sivanathan | 201 Meyerhoff *Phage instructors Guide - Appendix*	9:15 | **Demo: Purification III - Collecting Plate Lysates Flood, Spot Titer, Full Plate Titer** | Allison Johnson| 201 Meyerhoff	*p10.3: Gel Electrophoresis of Restriction Enzyme Digests*		
9:30 AM		9:30 | **Lab: Isolation III - Direct Isolation, Plaque Assay** | Carlietta Paige-Anderson, Arturo Diaz | 201 Meyerhoff *p5.2:Direct isolation; p5.3: Plaque Assay*		9:30 | **Lab: Purification III - Collecting Plate Lysates** | Allison Johnson, Vic Sivanathan| 201 Meyerhoff *p6.3: Collecting Plate Lysates*			
10:00 AM	10:00 - 3:00 | **Registration** | 161 Patapsco				10:00 | **Group Photo** | Depart from 201 Meyerhoff		
10:15 AM	Assignment: Collect Environmental Samples	10:15 - 10:30 | **Break** | 145 Meyerhoff	10:15 - 10:30 | **Break** | 145 Meyerhoff	10:15 - 10:30 | **Break** | 145 Meyerhoff	10:15 - 10:30 | **Break** | 145 Meyerhoff	10:15 - 10:30 | **Break** | 145 Meyerhoff	10:15 - 10:30 | **Break** | 145 Meyerhoff
10:30 AM		10:30 | **continue, Lab: Isolation III - Direct Isolation, Plaque Assay** | Carlietta Paige-Anderson, Arturo Diaz | 201 Meyerhoff	10:30 | **Lab: Working with Bacteria** | Vic Sivanathan, SEA Team | 201 Meyerhoff	10:30 | **Lab: Purification III - Spot Titer, Full Plate Titer** | Allison Johnson, Vic Sivanathan | 201 Meyerhoff	10:45 |**Open Lab, Collecting Plate Lysates from 48 hr Enrichments** | SEA Team | 201 Meyerhoff	10:30 | **Lab: Microscopy - Grid Setup & Imaging** | Arturo Diaz, Vic Sivanathan| 201 Meyerhoff	10:30 | **Lab: Amplification II - Webbed Plates** | Allison Johnson, Kristen Butela, Bob Harms| 201 Meyerhoff	10:30 | **Lab Clean-Up** | 201 Meyerhoff
10:45 AM			11:30 | **Lec: Purification II - Picking Plaques, Plaque Assay** | Bob Harms| 120 Meyerhoff	*p6.4: Spot Titer, p6.5: Full Plate Titer*			10:45 | **Final Exam** | 201 Meyerhoff
11:45 AM							11:30 | **Award Ceremony** | 201 Meyerhoff
12:00 PM	12:00 - 1:00 | **Lunch** | 161 Patapsco	12:00 - 1:00 | **Lunch** | 145 Meyerhoff	12:00 - 1:00 | **Lunch** | 145 Meyerhoff	12:00 - 1:00 | **Lunch** | 145 Meyerhoff	12:00 - 1:00 | **Lunch, Journal Club** | 145 Meyerhoff	12:00 - 1:00 | **Lunch** | 145 Meyerhoff	12:00 | **Boxed Lunches For Departure** | 145 Meyerhoff
1:00 PM		1:00 | **Lec: Isolation IV - Enriched isolation, Spot Test** | Bob Harms | 120 Meyerhoff	1:00 | **Lab Meeting - Review Isolation & Purification f plates** | SEA Team | 201 Meyerhoff	1:00 | **Lec: DNA Extraction** | Kristen Butela | 120 Meyerhoff	1:00 | **Lec: Amplification I - Calculate Titer & Preparing Webbed Plates** | Allison Johnson | 120 Meyerhoff	1:00 | **Lab: Amplification II - Webbed Plates** |Allison Johnson, Kristen Butela, Bob Harms | 201 Meyerhoff *p7.1: Making Webbed Plates*	1:00 | **Lab: Microscopy - Grid Setup & Imaging** | Arturo Diaz, Vic Sivanathan | 201 Meyerhoff *p8.1a&b: Mounting Phage Samples for TEM*	
1:30 PM		1:30 | **Demo: Isolation IV - Enriched Isolation, Spot Test** | Bob Harms | 201 Meyerhoff	1:30 | **Demo: Purification II - Picking Plaques, Plaque Assay** | Bob Harms, Kristen Butela | 201 Meyerhoff	1:30 | **Demo: DNA Extraction** | Kristen Butela | 201 Meyerhoff	1:30 | **Lab: Amplification I - Calculate Titer** | Allison Johnson | 201 Meyerhoff		
1:45 PM		1:45 | **Lab: Isolation IV - Enriched isolation, Spot Test** | Bob Harms, Kristen Butela| 201 Meyerhoff *p6.5: Enriched Isolation; p5.6: Spot Test*	1:45 | **Lab: Purification II - Picking Plaques, Plaque Assay** | Bob Harms, Kristen Butela | 201 Meyerhoff	1:45 | **Lab: DNA Extraction** | Kristen Butela, Bob Harms | 201 Meyerhoff *p9.1: Phage DNA Extraction*	2:00 | **Lab Meeting: Data Analyses** | Vic Sivanathan, SEA Team | 201 Meyerhoff *p6.4: Spot Titer; p6.5: Full Plate Titer; p10.5: Analyzing Restriction Enzyme Gels*		
2:00 PM							
2:15 PM	2:45 | **Gather to depart for Lab** | 161 Patapsco						
2:30 PM	3:00 | **Welcome** | Kristen Butela| 120 Meyerhoff						
2:45 PM		3:15 - 3:30 | **Break** | 145 Meyerhoff	3:15 - 3:30 | **Break** | 145 Meyerhoff	3:15 - 3:30 | **Break** | 145 Meyerhoff	3:15 - 3:30 | **Break** | 145 Meyerhoff	3:15 - 3:30 | **Break** | 145 Meyerhoff	
3:00 PM	3:30 | **Lec: Isolation I - Phage Extraction** | Vic Sivanathan | 120 Meyerhoff	3:30 | **Lec: Purification I - Serial Dilution, Plaque Assay** | Arturo Diaz | 120 Meyerhoff	3:30 - 4:30 |**Open Lab, 48 hr Enrichment**| SEA Team | 201 Meyerhoff	3:30 | **Lec: Characterization - Restriction Enzyme Digest** | Carlietta Paige-Anderson| 120 Meyerhoff	3:30 | **Lec: Microscopy** | Arturo Diaz| 120 Meyerhoff	3:30 | **Lec: Advanced Phage Biology** | Kristen Butela | 120 Meyerhoff	
3:15 PM							
3:30 PM	4:00 | **Demo: Lab Safety** | Vic Sivanathan | 201 Meyerhoff	4:00 |**Demo: Purification I - Serial Dilution, Plaque Assay** | Arturo Diaz | 201 Meyerhoff	*p5.6: Spot Test*	4:00 |**Demo: Characterization - Restriction Enzyme Digest** | Carlietta Paige-Anderson | 201 Meyerhoff	4:00 |**Demo: Microscopy - Grid Setup** | Arturo Diaz | 201 Meyerhoff	4:00 | **Lec: Assessment** | Vic Sivanathan | 120 Meyerhoff	
3:45 PM							
4:00 PM							
4:15 PM	4:15 | **Demo: Sterile Technique, Isolation I - Phage Extraction** | Vic Sivanathan | 201 Meyerhoff	4:15 | **Lab: Purification I - Serial Dilution, Plaque Assay** | Arturo Diaz, Carlietta Paige-Anderson | 120 Meyerhoff		4:15 | **Lab: Characterization - Restriction Enzyme Digest** | Carlietta Paige-Anderson, Arturo Diaz | 201 Meyerhoff		4:15 | **Phage Nomination & Voting** | SEA Team | 120 Meyerhoff	
4:30 PM	4:30 | **Lab: Isolation I - Phage Extraction** | Vic Sivanathan, Allison Johnson | 201 Meyerhoff	*p6.2: Serial Dilution; p5.3: Plaque Assay*	4:30 | **Course Implementation Strategy Planning + Free Time**	*p10.1: Setting Up Restriction Enzyme Digests*	4:30 | **Lab: Microscopy - Grid Setup** |Arturo Diaz, Carlietta Paige-Anderson | 201 Meyerhoff *p8.1a&b: Mounting Phage Samples for TEM*	4:30 | **Implementation Q&A** | SEA Team | 120 Meyerhoff	
4:45 PM	*p5.5: Enriched Isolation*				**Note**: *Course Prep & Implementation Strategy Development*		
5:00 PM	5:00 | **Lec: Phage Biology Primer** | Kristen Butela | 120 Meyerhoff						
5:15 PM	5:30 | **Lec: Isolation II - Enriched isolation** | Vic Sivanathan | 120 Meyerhoff						
5:30 PM	6:00 - 7:00 | **Dinner** | 145 Meyerhoff	6:00 - 7:00 | **Dinner** | 145 Meyerhoff	6:00 - 7:00 | **Dinner** | 145 Meyerhoff	6:00 - 7:00 | **Dinner** | 145 Meyerhoff	6:00 - 7:00 | **Dinner** | 145 Meyerhoff	6:00 - 7:00 | **Dinner** | 145 Meyerhoff	6:00 - 7:00 | **Dinner** | 145 Meyerhoff
5:45 PM	7:00 | **Demo: Isolation II - Enriched isolation** | Vic Sivanathan | 201 Meyerhoff	7:00 | **Teaching Tools** | Kristen Butela | 120 Meyerhoff	7:00 | **Teaching Tools** | Kristen Butela | 120 Meyerhoff	7:00 | **Teaching Tools** | Kristen Butela | 120 Meyerhoff	7:00 | **Teaching Tools** | Kristen Butela | 120 Meyerhoff	7:00 | **Teaching Tools** | Kristen Butela | 120 Meyerhoff	7:00 | **Bioinformatics: Primer** | TBD | 120 Meyerhoff
6:00 PM							
6:15 PM	7:15 | **Lab: Isolation II - Enriched Isolation** | Vic Sivanathan, Allison Johnson | 201 Meyerhoff	7:15 | **Faculty Talk** | Allison Johnson | 120 Meyerhoff	7:15 | **Faculty Talk** | Carlietta Paige-Anderson| 120 Meyerhoff	7:15 | **Faculty Talk** | Arturo Diaz| 120 Meyerhoff	7:15 | **Faculty Talk** | Bob Harms | 120 Meyerhoff		
6:30 PM	*p5.5: Enriched Isolation*						
6:45 PM	8:00 | **Debriefing & Social** | 145 Meyerhoff	8:00 | **Debriefing & Social** | 145 Meyerhoff	8:00 | **Debriefing & Social** | Commons Game Room	8:00 | **Debriefing & Social** | Commons Game Room	8:00 | **Debriefing & Social** | Commons Game Room	8:00 |**Final Exam Prep** | Commins Game Room	
7:00 PM	Homework	Homework	Homework	Homework	Homework	Homework	Homework