Theme 1: Microbial Diversity
Lecturer: Dr. Heidelberg

Time	Monday May 14	Tuesday May 15	Wednesday May 16	Thursday May 17	Friday May 18
730	Boat Departs for WMSC from SCMI @ 0730	Breakfast	Breakfast	Breakfast	Breakfast
800		Discussion	Discussion	Discussion	Discussion
900		Lecture 1 - Introduction and major themes in Microbiology	Lecture 2 - Chapter 9: Community Structure of Microbes in Natural Environments	Lecture 3 - Pure Culture Genomics	Exam #1
930	Students arrive, unload MC, snacks at Dining Hall				
1000	Housing Orientation in Dining Hall				
1030					
1100	Office/Island Orientation		Lab 2: Flourometric Chlorophyll concentration; Cell Counts **(Pre Lab 2) (Lab quiz 1 - Lab 1a)**		
1130	Students Check into Rooms				
1200	Lunch	Lunch	Lunch	Lunch	Lunch, **BOAT DEPARTS**
1300	Lecture:Waterfront Orientation	Lab 1a: Great Plate Count (collect water, serial dilutions onto plates, prepare slides, start counts) **(Pre-Lab 1)**	Free time: Go snorkeling, hiking, or kayaking.	Lab1c: Great Plate Count Anomoly (count colonies/cells) **(Lab Quiz 2 - Lab 2)**	Free Time
1400	Lab Saftey Training				
1500				Lab 1d: Great Plate Count Anomoly (DNA extraction & DNA Quantification)	
1600	Lab/Course orientation w/Chris				
1700	Free Time: Students move into rooms				
1800	Dinner	Dinner	Dinner	Dinner	Dinner
1900				Lecture Cruise Plans	

Theme 2: Microbial Biochemistry
Lecturer: Dr. Webb

	Monday May 21	Tuesday May 22	Wednesday May 23	Thursday May 24	Friday May 25
730	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
800	Discussion: Cruise Prep **(Lab Quiz 3 - Lab 3 & Lab 4)**	Start Microscosm	Microscosm T24	Microscosm T72	
900			chapter 4 - primary production and Basic		
930		Chapter 3 physiochemical environment			Lecture (Exam)
1000				chapter 6 growth	
1030	Lab 3: Yellowfin RV (Collect Water for: Microcosm, Arisa, Size fractionated Chlorophyll, and Cell counts) When we get back to SCMI we will likely be in lab until 2200.				
1100					
1130					
1200		Lunch	Lunch	Lunch	Lunch, **BOAT DEPARTS**
1300		Paper Presentation 1: Rob & Jessica	Lab 4: Nutrient Limitation Microcosm Experiment (T48 Microcosm collection and Processing e.g cell counts, size fractionated ChlA)	Paper Presentation 2: Erin and Emmeline	Free time:
1400			Excell/Data Workshop	Lab 4: Nutrient Limitation Microcosm Experiment (T72 Microcosm collection and Processing e.g cell counts, size fractionated ChlA {freeze ChlA filters}) Lab Quiz 3	
1500		Lab 4: Nutrient Limitation Microcosm Experiment (T24 Microcosm collection and			

1600		Lab 5a: Molecular Work (Extract DNA for functional genes) **(Pre-Lab 4)**			
1700			chapter 4 - primary production		
1800	Dinner	Dinner	Dinner	Dinner	Dinner
1900					

Theme 3: Functional Biogeochemistry
Lecturer: Dr. Webb

	Monday May 28	Tuesday May 29	Wednesday May 30	Thursday May 31	Friday June 1
730	Breakfast	Breakfast	Breakfast:	Breakfast	Breakfast
800					
900	Free time: No class USC Holiday	Free time until boat arives	Paper Presentation 3: Rose, Jennifer, Katheryn	Paper Presentation 4:Diego & Tara	Lecture (Exam)
930					
1000			Ch 12 N2 cycle	Ch7 Protists	
1030		Ch6 growth			
1100					
1130					
1200	Lunch	Lunch	Lunch	Lunch	Lunch, **BOAT DEPARTS**
1300	Free time: No class USC Holiday	Lab 1b: Great Plate Count (Run 16S PCR for colonies), , Run gel over Dinner Lab 4: Nutrient Limitation (Add acetone to T72 filters,cell counts) **(Lab Quiz 4 - Lab 1b)** **(Pre-Lab: Lab 1b and Prelab: Lab 5)** **(POST LAB 1 & 2 due)**	Lab 5d: DNA - Functional (Amo) PCR profile and bird rock transect	Lab 4: Data Analysis Workshop	Free Time
1400					
1500			ch 12 N2 cycle		
1600				Lab 4: Data Analysis Workshop	
1700					
1800	Dinner	Dinner	Dinner	Dinner	Dinner
1900		Lab5: look at gel and clean up products fro seq	Lab 4: T72 ChlA analysis; run gel	Lab 4: Data Analysis Workshop	

Theme 4: Topic Integration "You are NEVER alone"
Lecturer: Dr. Heidelberg

	Monday June 4	Tuesday June 5	Wednesday June 6	Thursday June 7	Friday June 8
730	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
800	**(Pre-Lab Lab 6)** Lab 6: Coliforms **(Lab Quiz 5 - Lab 6)**	Paper Presentation 5: Tia and Gianna	Lab 6: Colony count, wrapup, lab cleanup	Paper Presentation 6: Lauren and Adrianna	Lecture (Final Exam)
900	Lab 6: Kayak to Bird Rock and collect water samples				
930		Ch 10 Metagneomes		Ch 14 Symbiosis	
1000					
1030			Water quality		
1100					
1130					

1200	Lunch	Lunch	Lunch	Lunch	**BOAT DEPARTS WMSC for SCMI @1230**
1300	Lab 6: Collect Samples for other sites (Cat Harbor, etc)	Lecture	Final Lab Presentations	Lab Cleanup	
1400					
1500			Lab Cleanup.	Free Time: Enjoy your last afternoon on the Island!	
1600		Lab 5: Bioinformatics workshop			
1700					
1800	Dinner	Dinner	Dinner	Dinner	
1900	Lab 6: Filtration	Lab Cleanup			