

**BIOLOGY 75 SYLLABUS - SPRING 2022**

#	LECTURES - COH 118	EXAMS	READING	POOL SESSIONS	OCEAN DIVES
1	Collect Paperwork, Take NAUI exam, Tie Bowline, Course Introduction, History of Scientific Diving, UCSC Dive Program Overview, Handout Course Materials	NAUI Master Diver Bowline	Dive Manual	Swimming and Skin Diving Skills Testing	Scuba Skill Tests, Rescue Skill Test - (Ocean 1)
2	Dive Table Review, Dive Reporting, Webdiver, Bluebuddy, Dive Manual, Navigation, Diving Physics, Physics Problem Set		Navigation, Diving Physics	Scuba Skills Testing	Navigation, Species List (inverts) - (Ocean 2)
3	Search & Salvage, Blue Water, Reefcheck		Search & Salvage, Bluewater Diving, Reefcheck	Rescue Skills, Problem Solving, Out of Air, SAC Rate, Navigation, Knot Work	Search & Salvage, Navigation - (Ocean 3)
4	Sampling		Sampling	Search & Salvage, Blue Water, Knot Work	Sampling (sand dollars) - meter tapes, meter sticks, quadrants, calipers - (Ocean 4)
5	Diving Physiology, Decompression Theory, Dive Tables, Dive Computers, Dive Planning		Diving Physics and Physiology	Sampling, Knot Final	Sampling (kelp, inverts, substrate) - meter tapes, meter sticks, rpc - (Ocean 5)
6	Night Diving, Reefcheck	Physics Problem Set, Dive Manual	Review Reefcheck		Sampling (kelp, inverts, substrate) - meter tapes, meter sticks, rpc - (Ocean 6)
7	Dive Equipment		Dive Equipment		Sampling (kelp, inverts, substrate) - meter tapes, meter sticks, rpc - (Ocean 7)
8	Rescue Techniques, Emergency Response Planning, Aquatic Environment	Reefcheck	Rescues Techniques, Aquatic Environment		Sampling (kelp, inverts, substrate) - meter tapes, meter sticks, rpc - (Ocean 8)
9	Nitrox, Boat Diving, Deep Diving		Nitrox, Deeper Diving, Boat Diving		ReefCheck Dive 1 - Kelp/Invert Swaths (Ocean 9)
10	<b>ALL TOPICS</b>	<b>FINAL EXAM</b>			ReefCheck Dive 2 - UPC (Ocean 10)
11					Nitrox 80' Dive - sampling (inverts) - meter tape, quadrants - (Ocean 11)
12					Nitrox Blue Water Dive - collecting (pelagics) - zip lock bags - (Ocean 12)
13					ReefCheck Dive 3 - Kelp/Invert Swaths (Ocean 13)
14					ReefCheck Dive 4 - UPC (Ocean 14)
15					Big Creek Dives; 15-20