



**WESTERN
PACIFIC
REGIONAL
FISHERY
MANAGEMENT
COUNCIL**

**MARINE SCIENCE SUMMER COURSE ON
FISHERY AND RESOURCE MANAGEMENT**

DRAFT Schedule (June 14, 2017)

June 7 – July 7, 2017

Moanalua High School

2825 Ala Ilima St., Honolulu, HI 96818

Sponsored by the Western Pacific Regional Fishery Management Council

Course Instructor: Mr. Erron Yoshioka, Moanalua HS Science Teacher

Assistant Instructors: Ethan Paraso and Frank Raymond

Safety Instructor: Mark Lee

Wednesday June 7, 2017 (CLASSROOM)

Meet and Greet

9:00 am – NOON

Introduction and Course Overview

Yoshioka

Course Expectations-Portfolio-Forms

Yoshioka

Overview of WPRFMC and Fisheries

Conservation and Management Kitty Simonds/Mark Mitsuyasu

1:00 pm – 3:00 pm

2017 Class Project – Documenting Traditional Management

Why Conserve?

Yoshioka

Discussion of Fishing Conservation and Management

“Where have the reef fish gone?”

Thursday, June 8, 2017 (CLASSROOM)

Safety Training

9:00 am – 10:30 am

Zones of the Ocean / Food Webs

Yoshioka

10:30 am- 12:00 pm

Tuna- Global Catch

Yoshioka

1:00 pm – 2:00 pm

Class Project: Traditional Fisheries Overview

Charles Kaaiai

2:00 pm – 4:00 pm

Fish Banks: “Tragedy of the Commons”

Yoshioka

Friday, June 9, 2017 (CLASSROOM)

Intro to Fisheries

9:00 am – 10:00 am

Recipe for Assessments

Marlowe Sabater

10:00 am – 11:00 am

Pacific Pelagic and International Fisheries:

Geography, Species, and Gear

Paul Dalzell

11:00 a.m. – 12:00 p.m.

Insular Fisheries: Geography, Species and Gear

Mark Mitsuyasu

1:00 p.m. – 2:30 p.m.

Fish Morphology Activity

Yoshioka

2:30 p.m. – 4:00 p.m.

Shoreline Safety / Dangerous Marine Organisms

Yoshioka

Monday, June 12, 2017 (HOLIDAY)

Tuesday, June 13, 2017 (CLASSROOM) Council Meeting StartsOne Fish, Two Fish, Red Fish, Blue Fish....

9:00 am – 10:30 pm	Class Project: Lunar Cycles	Charles Kaaiai
11:00 am - 12:00 noon	Data collection through surveys	Tom Ogawa
12:30 pm – 1:30 pm	State of Hawaii Fisheries	Jason Mehlinger
1:30 pm – 4:00 pm	Gyotaku: Fish Printing	Naoki

Wednesday, June 14, 2017 (CLASSROOM)The Physical Side

9:00 am – 9:45 am	Fishery Dependent Monitoring - Logbooks	Kurt Kawamoto
9:45 am – 10:30 am	Barbless Hook Project	Kurt Kawamoto
10:30 am – 11:30 am	Fish Tagging (bottomfish, papio, ahi)	Clay Tam
11:30 am – Noon	Finalize field trip and travel schedule/responsibilities	Mitsuyasu
1:00 pm – 2:00 pm	In-water Survey Methods	Kevin Lino
2:00 pm – 3:00 pm	Core Oceanography: Tides	Yoshioka
3:00 pm – 4:00 pm	Oceanography Temp./Salinity “Ice Ice Baby” Activity	Yoshioka

Thursday, June 15, 2017 (CLASSROOM)

9:00 am – 10:30 a.m.	Fishery Economics – Show me the Money	Jaclyn Lindo
10:30 – 12:00 noon	Social Science	Danika Klieber
1:00 pm – 2:30 pm	“Net Gain” Activity	Yoshioka
2:30 pm – 4:00 pm	Core Oceanography: Waves	Yoshioka

Friday, June 16, 2017 (CLASSROOM)

9:00 am – 10:30 am	Limu	Wally Ito
10:30 am - Noon	Documenting Traditional Knowledge	Charles Kaaiai
1:00 pm – 2:30 pm	Basic First-Aid	Mark Lee
2:30 pm -- 4:00 pm	CPR Training	Mark Lee

Monday, June 19, 2017 (FIELD TRIP) [CONFIRMED] – Pick Up Vans

9:00 a.m. – 11:00 a.m.	Kualoa Shrimp Ponds and Tilapia Fishing!	Kuuipo McCarty
11:30 am -- 12:00 noon	Lunch	
1:00 – 3:00 pm	Tour of HI Fishpond and Oyster Aquaculture	Kuuipo McCarty

Tuesday, June 20, 2017 (FIELD TRIP) [CONFIRMED]

9:00 a.m. – 12:00 a.m.	Kalaeloa Heritage Park	Valerie Kane/Shad Kane
12:00 – 1:00 p.m.	Lunch	
2:00 – 3:00 pm	Core Oceanography: Currents / Pressure	
3:00 -- 4:00 p.m.	Hawaii Hot Spot - Geography	

Wednesday, June 21, 2017 CLASSROOM/Field Trip) [CONFIRMED]

1:00 pm - 2:30 pm	Oceanic Institute – aquaculture facility	Gary Karr
3:00 pm - 5:00 pm	170 th Council Meeting - YWCA	
5:30 pm – 9:00 pm	Fisher’s Forum – Dole Cannery – Follow the Data	

Thursday, June 22, 2017 (FIELD TRIP/Council Office) [TO CONFIRM]

9:00 a.m. – 11:00 am. 11:30 am - 3:00 pm	Reef walk – Ala Moana Fishing Trip – GOT FISH Head boat	
Friday, June 23, 2017 Friends of the Fish 9:00 am – 10:00 am 10:00am – 10:45am 10:45 am – 12:30 pm 12:30pm – 2:00pm 2:00 pm -- 4:00 pm	(FIELD TRIP) [CONFIRMED] <u>It's not only about fish – The Marine Ecosystem</u> Protected Species Bycatch Mitigation Travel/Check in to IRC Sea Turtle Necropsy Session (IRC; <i>closed-toe shoes required</i>) George Balazs/Shandell Brunson Lunch/Travel to HPU Seabirds (HPU Hawaii Loa Campus)	Asuka Ishizaki David Hyrenbach
Monday, June 26, 2017 9:00 am – 4:00 pm	(FIELD TRIP) [OPEN] Fishing Day – Waikiki Aquarium/MCLD trip	
Tuesday, June 27, 2017 <u>People Side</u> 6:15 am – 7:30 am 7:30 am – 8:15 am 8:15 am – 9:00 am 9:00 am – 10:00 am 10:00 am – 10:30 am 10:30 am – 11:00 am 11:00 am - Noon Noon –2:00 pm End early	(FIELD TRIP) [CONFIRMED] <u>Fisheries Includes the People</u> United Fishing Agency Auction Tour (<i>covered shoes and jacket</i>) @ Pier 38 Longline Boat Tour Breakfast by Nico's at Pier 38 Seafood Safety Marine Debris Photo Session (Pier 38) Travel Back to the School Fish Cutting & Prep Demonstration & EAT	Charley John Kaneko, DMV Neil Kanemoto Chef Nico Mr. John Kaneko, DMV Mr. Neil Kanemoto Yoshioka
Wednesday, June 28, 2017 9:00 am – 11:00 a.m. 11:30 – 1:00 pm. 1:00 – 1:30 pm 1:30 pm – 2:00 pm 2:00 p.m. – 2:30 pm. 2:30 p.m. – 3:00 p.m.	(CLASSROOM/FIELD TRIP) Pack and prep for Molokai Trip China Town Fish Market Tour Lunch at the Council Akule Assessment Project Maunalua Bay Koa Project TBA	Students Mark Mitsuyasu John Wiley Mark Mitsuyasu Council Staff
Thursday, June 29, 2017 9:00 am –2:00 p.m. 2:00 pm – 3:00 pm	(FIELD TRIP) [CONFIRMED] Travel to Kalaeloa Anchialine Ponds Photo session (Kalaeloa; Koolina)	Ms. Lorena Wada
Friday, June 30, 2017 9:00 am – 4:00 p.m.	((FIELD TRIP) (CONFIRMED) US Coast Guard	LCDR Adam Disque
Sunday, July 2, 2017 8:00 a.m.	Fly to Molokai in the morning – 6:00 am flight HWN Molokai	

Monday, July 3, 2017

All Day

Fish Pond, Molokai

Tuesday, July 4, 2017

All Day

Moomomi Site Visit

Wednesday, July 5, 2017

All Day

Molokai - Return from Molokai – 8:30 a.m. flight HWN

Thursday, July 6, 2017

9:00 am– 10:00 pm

(CLASSROOM)

Clean up from Camp

Yoshioka

10:30 am – Noon

Review outcomes from Molokai Trip

Mark Mitsuyasu

1:00 am – 4:00 pm

Finalize Class Project

Charles Kaaiai/Mark Mitsuyasu

Friday, July 7, 2017

9:00 am – 10:00 am

(CLASSROOM)

Course Wrap up activities

Yoshioka

10:00 am – 11:00 am

Wrap up and course evaluations

Mark Mitsuyasu

11:00 am – 2:00 pm

Lunch/ End-of-Program Activity

Students/Teachers/Council

STAFF			
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