



**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 Starts

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

10:30 am – Noon

1:00 am – 4:00 pm

(CLASSROOM)

Clean up from Camp

Review outcomes from Molokai Trip

Finalize Class Project

Yoshioka

Mark Mitsuyasu

Charles Kaaiai/Mark Mitsuyasu

Friday, July 7, 2017

9:00 am – 10:00 am

10:00 am – 11:00 am

11:00 am – 2:00 pm

(CLASSROOM)

Course Wrap up activities

Wrap up and course evaluations

Lunch/ End-of-Program Activity

Yoshioka

Mark Mitsuyasu

Students/Teachers/Council

STAFF			
Mark Mitsuyasu	Council Program Officer	Mark.mitsuyasu@wpcouncil.org	
Charles Kaaiai	Council Indigenous Coordinator	Charles.kaaiai@wpcouncil.org	
Asuka Ishizaki	Council Protected Species Coordinator	Asuka.ishizaki@wpcouncil.org	
Marlowe Sabater	Council Ecosystem Scientist	Marlowe.sabater@wpcouncil.org	
Paul Dalzell	Council Senior Scientist	Paul.dalzell@wpcouncil.org	
John Wiley	Council	jwiley1@my.hpu.edu	808-522-8220
IN CLASS			
Mark Lee			
Tom Ogawa	DAR	thomas.k.ogawa@hawaii.gov	
Kurt Kawamoto	PIFSC	Kurt.kawamoto@noaa.gov	
Clay Tam	PIFG	hifish06@yahoo.com	
Jason Mehlinger	DAR		
Naoki Hayashi	Naoki Guyotaku	gyotakubynaoki@gmail.com	
Kevin Lino	PIFSC		
Jaclyn Lindo			
Danika Klieber			
Wally Ito			
FIELD TRIPS			
Kuuipo			
Valerie Kane			
Shad Kane			
Chef Nico	Nicos	customerservice@nicospier38.com	
John Kaneko	Hawaii Seafood Council	john@hawaii-seafood.org	
Neil Kanemoto	POP Fishing and Marine	neil@pop-hawaii.com	
George Balazs			
Shandell Brunson			
David Hyrenbach			
Gary Karr	Oceanic Institute	gkarr@hpu.edu	
Lorena Wada	US FWS	Lorena_Wada@fws.gov	
LCDR Adam Disque	USCG	Adam.J.Disque@uscg.mil	