



# 2020 Marine Science Course on Fishery and Resource Management

## Course Topics

### Hawai'i Fisheries

- Nearshore and Bottomfish Fisheries (gear, species, geography)
- Pacific Pelagic and International Fisheries (gear, species, geography)
- Recreational Fisheries
- Cultural and Traditional Fisheries

### Ocean Safety

- First Aid / CPR
- Fishing and Ocean Safety

### Resource Monitoring and Research

- Fishery Biology and Identification
- Fishery - Dependent Monitoring
- Fishery Independent Research
- Stock Assessments

### Resource Conservation and Management

- Ecosystem-Based Approach to Management
- Traditional Fisheries and Resource Management
- Protected Species Conservation and Management
- Monitoring, Surveillance and Enforcement

### Ecosystems

- Alien and Invasive Species
- Oceanography – Physical, Chemical, Geological
- Habitat
- Marine Debris

### Industry and Marketing

- Fish as Food
- Seafood Hazards and Safety (ciguatera, histamine, mercury)
- Fish Cleaning and Preparation
- Fishery Economics and Marketing
- Offshore Aquaculture and Fish Ponds

*Course includes fishing events, guest lectures, class activities, field trips, water safety and CPR and First Aid certifications. Some activities will be held outside of normal school hours and may be held overnight. Classes will be held at Moanalua High School, Room M-104.*

### Special Notes

Registration limited to 15 to 20 students; students must be entering or finishing grades 10 to 12. Course fee: \$50 (grants based on need and merit may be available). Students can apply for a DOE science credit through Moanalua High School. Course includes 4-day trip to an outer island. Students must participate in all lessons / activities and be able to participate in future workshops as schedules permit. Course schedule: TBD (starts early June and runs 5 weeks).

Instructor: Erron Yoshioka  
Location: Moanalua High School  
2825 Ala Ilima St.  
Honolulu, HI 96818

For more information and application, contact: Erron Yoshioka at 808-227-8493, miki\_yosh@yahoo.com or Mark Mitsuyasu at 808-522-8220, mark.mitsuyasu@wpcouncil.org.  
[www.wpcouncil.org/high-school-summer-courses](http://www.wpcouncil.org/high-school-summer-courses)



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