

**ONLINE IOI OCEAN ACADEMY KENYA
SUSTAINABLE USE OF MARINE RESOURCES FOR FOOD
SECURITY IN KENYA**

IOI Ocean Academy – Ocean Literacy Course
17TH FEB 2025 to 28TH FEB 2025

Days	COURSE CONTENT
Day 1	Welcome and Introduction to the Programme and Course Concept
	<p><i>Brief introduction to the International Ocean Institute, its vision and mission.</i></p> <p>The Ocean in Context- Description of the world's oceans in simple terms: Layers, currents, and temperatures.</p> <ul style="list-style-type: none"> • Marine ecosystems supporting fisheries: Mangroves, seagrass beds, coral reefs. • The role of the ocean in regulating climate (heat transfer, carbon sink).
	Discussion Session and Q &As
Day 2	Goods and Services Provided by the Ocean
	<ul style="list-style-type: none"> • Living resources: Fisheries, aquaculture, and biodiversity. • Non-living resources: Minerals, oil, and renewable energy. • Maritime highway of global trade, ports, and harbors. • Climate modulation and discoveries in the ocean depths.
	Discussion Session and Q &As
Day 3:	Threats to Marine Resources and Ecosystems
	<ul style="list-style-type: none"> • Pollution: Plastics, noise, agricultural runoff, and industrial waste. • Overfishing, seabed mining, and biodiversity loss. • Unsustainable practices and their impacts on Kenya's marine ecosystems.
	Discussion Session and Q &As
Day 4	Food Security and Marine Resource Use
	<ul style="list-style-type: none"> • Fisheries as a source of nutrition and income in Kenya. • Role of aquaculture in reducing pressure on wild fisheries. • Impacts of unsustainable practices on food systems and livelihoods.
	Discussion Session and Q &As
Day 5	Sustainable Practices in Fisheries and Aquaculture (2 Hours)
	<ul style="list-style-type: none"> • Sustainable fishing methods: Gear restrictions, quotas, and seasonal closures. • Community-based fisheries management: Beach Management Units (BMUs). • Sustainable aquaculture techniques in Kenya.
Day 6	Concepts of Sustainability; economy vs environment vs society; economic models; the Sustainable Development Goals (SDGs), etc.

Day 7 Ocean Governance and Policy (2 Hours)	
	<ul style="list-style-type: none"> • <u>Kenyan policies</u>: Fisheries Management and Development Act. • <u>Ocean Governance and Law of the Sea</u>: the concept of national maritime zones and areas beyond national jurisdiction. • <u>Governing global commons</u>: rights and duties within areas of national jurisdiction; the common heritage of Humankind.
	Discussion Session and Q &As
Day 8 Building Resilient Coastal Communities (2 Hours)	
	<ul style="list-style-type: none"> • Coastal restoration: Mangrove planting and coral reef restoration. • Disaster risk reduction and adaptive infrastructure. • Enhancing community capacities for sustainable resource use.
	Discussion Session and Q &As
Day 9 Living with the Ocean (2 Hours)	
	<ul style="list-style-type: none"> • Impacts of sea-level rise, extreme weather, and coastal erosion. • Hazards to coastal cities and infrastructure. • Opportunities for sustainable livelihoods (eco-tourism, fisheries).
	Discussion Session and Q &As
Day 10 Conclusion and the way forward	
	<ul style="list-style-type: none"> • Recapitulation of Key Learnings and Insights • Resource Mobilization and Support Mechanisms • Closing Ceremony and Commitment to Action