

**UNIVERSITY OF NAIROBI**  
**SCHOOL OF BIOLOGICAL SCIENCE**  
**SZL 402: MARINE BIOLOGY**

**COURSE UNIT SUMMARY:**

Introduction; Sea As An Environment; Circulation, Physical And Chemical Properties of Water; Principles Of Populations In Marine Ecology; Marine Habitats, Their Communities and Adaptation of Organisms; Primary And Secondary Production, Plankton and Pelagic Environment; Human Impacts And Marine Conservation

**OBJECTIVES:**

Understand oceans as an ecosystem, physical, chemical and biological interactions. Elaborate on the different marine environments and the threats to sustainability; Help students appreciate their role in curbing threats and protecting oceans

**COURSE UNIT OUTCOME:**

At the end of the course students should know the extent of the oceans, importance of the ecosystem, basic processes that drive and sustain the ecosystem and threats to the ecosystems

**RESOURCES AND REFERENCE BOOKS**

1. An Introduction to Marine Ecology by Barnes RSK and RN Hughes
2. Marine Ecology by Levington
3. Marine Biology by J. Levington
4. The Marine Environments by Lenihan & WW Fletcher
5. An Introduction to Marine Science by PS Meadow and JI Campbell

