

ECL 0324 Marine Ecosystems Based Management

DESCRIPTION AND OBJECTIVE

This class offers students the opportunity to learn about the complex issues around the protection of the marine realm. I offer a multidisciplinary approach to deal with the complexity of managing humans by understanding their actions and impacts on the natural world as an integral part of the process to manage and conserve marine ecosystems.

We will explore the most important human threats that affect the Galapagos marine realm from fishing to human induced climate change. We will take into account the connections and interactions among different factors (social, economic, natural) that affect the marine realm.

The ultimate goal of this class will be to understand how we can secure the long-term sustainable use of ecosystem services and goods provided by nature by creating communities and ecosystems that are resistant and resilient to human and natural perturbations.

OBJECTIVES

- (1)** Learn about the complexities to deal with a framework of Ecosystem Based Management
- (2)** Understand what are the main threats to the marine realms and get exposed to some management tools to preserve this unique system and the ecological services and goods this unique Archipelago provide to the local population and to the world.