

Ecological Photography

Course code: PHOT 2100

Total contact hours: 60 hours

Pre-requisite: None

Material required: See below

Course Overview

The essential functions of a photographic camera are studied in the course to have efficient control when making a photographic shot in any scenario, emphasizing nature and ecology issues. Also, students explore the diverse ecosystems of Costa Rica, understanding their differences and the resources that make them unique.

Terms related to the golden number and fractals are analyzed, basic geometry present in nature, and the importance of photography in environmental conservation processes, and the documentation of the direct damages of development and consumerism over it.

It is required a DSLR (digital single-lens reflex) digital camera that has interchangeable lenses and full manual control of aperture, shutter speed, depth of field and focus functions is recommended. It should meet the following criteria: Minimum of 10 megapixels, full manual control of aperture, shutter speed, focus and flash, capability for interchangeable lenses, zoom lens (18mm-55mm) (up to 135 mm preferred), Photo tripod, Memory card. Common "point-and-shoot" and smartphone cameras with fixed lenses (lenses that may not be removed and changed for other lenses) are not ideal for course use, as they do not typically offer manual control of basic camera functions or adequate range of aperture control. This lack prevents users of such cameras from completing required course assignments.