

University of Puerto Rico
Mayaguez Campus
Biology Department
ICHTHYOLOGY-BIOL 5417

SYLLABUS

Course Description: A study of the biology, classification and morphology of fishes, with emphasis on local species.

Class Conference Topics:

- I. Introduction to Fish: a Taxonomic Perspective
- II. Fish Evolution
- III. Fish Form and Function
- IV. Fish Genetics
- V. Fish Ecology
- VI. The Orders of Fishes
 - a. Agnathans
 - b. Chondrichthyes
 - c. Osteichthyes

Laboratory: Will include six field trips where we will snorkel and observe living coral reef fishes of the Caribbean. Emphasis is on recognizing and identifying local species. We will also have 8 laboratories within the ichthyology lab. Here, we will examine the preserved specimens of fishes kept there and consider both morphological, physiological, and taxonomic aspects thereof. There will be three exams on this material and each of these will be announced at least one week in advance.

According to Law 51

Students will identify themselves with the Institution and the instructor of the course for purposes of assessment (exams) accommodations. For more information please call the Department of Counseling and Psychological Services at the Dean of Students Office (DE-21) at (787) 265 - 3864 or (787) 832 - 4040 extensions 3772, 2040 or 3864. Email: pura.vicenty@upr.edu.

Academic Integrity:

The University of Puerto Rico promotes the highest standards of academic and scientific integrity. Article 6.2 of the UPR Students General Bylaws (Board of Trustees Certification 13, 2009-2010) states that academic dishonesty includes, but is not limited to: fraudulent actions; obtaining grades or academic degrees by false or fraudulent simulations; copying the whole or part of the academic work of another person; plagiarizing totally or partially the work of another person; copying all or part of another person answers to the questions of an oral or written exam by taking or getting someone else to take the exam on his/her behalf; as well as enabling and facilitating another person to perform the aforementioned behavior. Any of these behaviors will be subject to disciplinary action in accordance with the disciplinary procedure laid down in the UPR Students General Bylaws.—