

Faculty

KRISTINE O. ABENIS, MSc
Wasps

JIRO T. ADORADOR, MSc
Palms and other forest plants

ZHEREELEN M. ADORADOR, MSc
Orchids and other forest plants

PHILLIP A. ALVIOLA, MSc
Bats and Small mammals

MARIA ELEANOR B. AURELLADO, PhD
Reef fishes

JADE ASTER T. BADON, PhD
Butterflies and Moths

INOCENCIO E. BUOT, JR., PhD
Mountain vascular plants

EMMANUEL RYAN C. DE CHAVEZ, PhD
Land Snails

ANNA PAULINE O. DE GUIA, PhD
Small mammals

JUDELINE C. DIMALIBOT, MSc
Marine mammals

AIMEE LYNN B. DUPO, PhD
Moths and Spiders

RONILO JOSE D. FLORES, PhD
Yeast

JUAN CARLOS T. GONZALEZ, DPhil
Birds

ANNALEE S. HADSALL, MSc
Epiphytes and climbers

DANIEL EDISON M. HUSANA, PhD
Crabs

IRENEO L. LIT, JR., PhD
Scale insects, Mealybugs and Stick insects

IVY AMOR F. LAMBIO, MSc
Mosses

JUNE OWEN O. NACORDA, MSc
Algae

ANTONIO L. RAYOS, JR., MSc
Melastomes and liverworts

NOEL G. SABINO, PhD
Bacteria, Yeast, and Molds

Contact Us



INSTITUTE OF BIOLOGICAL SCIENCES
R.B. Espino Wing, L.B. Uichanco Hall,
University of the Philippines Los Baños,
College, Laguna 4031
PHILIPPINES

Phone: +63 49 536 2893

Email: ibsdouplb@up.edu.ph

Website: <https://ibs.cas.uplb.edu.ph/>



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University of the Philippines Los Baños
Institute of Biological Sciences



BS BIOLOGY MAJOR IN
SYSTEMATICS

Courses Offered

All Systematics major students are required to take Practicum, Thesis, and the following courses:

BOT 140. Systematics of Spermatophytes
ZOO 140. Animal Taxonomy
BIO 152. Biogeography
MCB 101. Microbial Identification Techniques
A choice among
BIO 192. Museum-Herbarium Curatorship
BIO 180. Biological Microtechniques

Systematics majors must also take a minimum of 9-15 units of any of the following major courses:

BIO 130a. Intermediate Genetics I
BIO 130b. Intermediate Genetics II
BIO 131. Cytogenetics
BIO 134. Introduction to Genomics and Bioinformatics
BIO 137/ENT 137. Insect Genetics
BIO 154. Cave Ecology
BIO 159. Conservation Biology in the Tropics
BOT 101. Phycology
BOT 110. Morphology and Anatomy of Plants
BOT 111. Bryophytes and Vascular Cryptogams
BOT 150. Plant Ecology
BOT 152. Phytogeography
ENT 101. General Entomology
ENT 110. Insect Morphology
ENT 140. Insect Taxonomy
ENT 146. Acarology
ENT 151. Insect Ecology
ENT 195. Entomological Techniques
FBS 21. Taxonomy of Forest Plants
FBS 101. Forest Biodiversity
FBS 126. Forest Entomology
FBS 140. Forest Mycology
MCB 102. General Virology
PPTH 104. General Mycology
WLDL 101. Introduction to Philippine Wildlife
ZOO 142. Invertebrate Zoology
ZOO 145. Herpetology
ZOO 146. Ornithology

About Systematics Major

Systematics major cuts across the fields of genetics, molecular biology, botany, zoology, microbiology, and ecology in the attempt to understand and explain the principles and process involved in the origin of biological diversity. With this, Systematics students will have a guidance in classification, taxonomy, nomenclature, phylogenetic analysis using both morphological and molecular data, computer modelling, biological surveys, and inventories.

The Systematics major program, therefore, provides more than adequate preparation for careers in field biology, conservation, medicine, government, and industry, as well as for post-graduate work and academia.



ZOO 148. Mammalogy
ZOO 150. Animal Ecology
ZOO 151. Marine Zoology
ZOO 152. Freshwater Zoology
ZOO 155. General Limnology
ZOO 160. General Malacology
ZOO 173. Introduction to Parasitology
ZOO 180. Ichthyology
Suggested Electives:
BIO 125. Principles of Cell and Molecular Techniques
MCB 120. Microbial Physiology
MCB 130. Microbial Genetics
ZOO 113. Comparative Vertebrate Anatomy.

Systematics Major Application

- Students must have earned at least 70 units of coursework
- Attend orientation for Majors organized by the IBS Registration Committee at the time of application
- Submit accomplished application form with copy of grades to the IBS Registration Committee
- Meet with assigned adviser for the Plan of Study (POS)

