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Plant Physiology

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Phycology

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Plant Systematics

MARLON P. RIVERA, MSc
Plant Molecular Biology & Biotechnology;
Plant Morpho-annatomy

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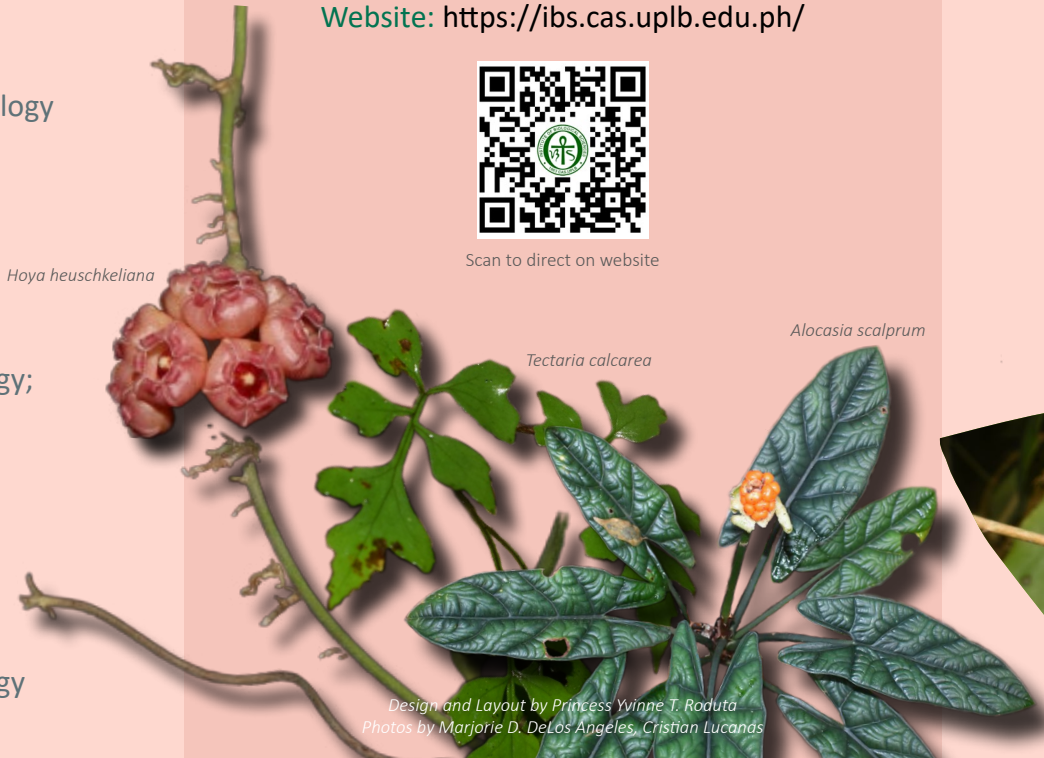

Hoya heuschkeliana

Tectaria calcarea

Alocasia scalprum

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University of the Philippines Los Baños
Institute of Biological Sciences

BS BIOLOGY MAJOR IN

PLANT BIOLOGY

PLANT BIOLOGY DIVISION, IBS, CAS

About Plant Biology Major

Plant Biology major is specialized in developing the ability of a student in understanding the basic principles of plant science. This is essential in all applied studies in Botany and Biology, whether it is in Agriculuture, Forestry, Food Science, Veterinary Science, Molecular Biology and Biotechnology. With this, Plant Biology students will have a holistic foundation in botany that will enable a better appreciation in plants, not only for their utilitarian value, but also for their being an integral, unique, and vital component of various ecosystems.

A Plant Biology graduate will have an opportunity in teaching and/or research positions in the government and private sector; technical support to plant-based industries, plant science communicator/technical writer/media practitioner, and pursuance of further studies in botany, plant sciences, molecular biology, biotechnology, and medical fields.

Courses Offered

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

BOT 20. Fundamentals of Plant Physiology
BOT 110. Morphology and Anatomy of Plants
BOT 140. Systematics of Spermatophytes
BOT 152. Phytogeography

Plant Biology majors must also take a minimum of 12-18 units of any of the following major courses:

BOT 101. Phycology
BOT 111. Bryophytes and Vascular Cryptogams
BOT 120. Advanced Plant Physiology
BOT/HORT 131. Inorganic Plant Nutrition
BOT/HORT 132. Plant Growth
BOT 142. Economic Botany
BOT 150. Plant Ecology
BOT 191. Special Topics
BOT 192. Plant Histochemistry
BIO 151. Environmental Management
BIO 159. Conservation Biology in the Tropics
BIO 180. Biological Microtechnique
BIO 192. Museum-Herbarium Curatorship
CHEM 162. Plant Biochemistry
PPTH 104. General Mycology
CRSC 105. Principles of Plant Breeding
AGRI 141. Field Crop Physiology
HORT 133. Plant Tissue CultureA
AGRI 31. Fundamentals of Crop Science 1
AGRI 51. Principles of Soil Science
SOIL 150. Soil Fertility
SFI 123. Fundamentals of Agroforestry

Plant Biology Major Application

Prospective students must:

- have earned at least 70 units of coursework;
- have attended the major application orientation organized by IBS Registration Committee at the time of application;
- submit copy of grades with application form indicating their preferred adviser to be evaluated by the IBS Registration Committee; and
- meet with assigned adviser for the Plan of Study (POS).