



Plant Morphology & Anatomy

The course aims to understand the basic knowledge of cytology and histology of plants. Particularly, it examines the major subcellular structures, the division of cells, of various tissues, of anatomical structure and external morphology in plant organs, such as stem, leaf, root, flower, fruit and seeds.

Course Contents: Introduction to Plant Biology, origin and development of plants, prokaryotes and eukaryotes, the molecular composition of the plant, the plant cell protoplasm and cytoplasm, cell membranes, ribosomes, intramembranous system, mitochondria, plastids, nucleus, cell wall, vacuoles, savings products, cell division (mitosis, meiosis), cells and tissues of the plant body (e.g. parenchyma, collenchyma, xylem-phloem, secretory cells and tissues), organization of the plant body stem, primary structure and development, secondary growth, leaf, root primary structure, flower, inflorescences, fruits, seeds, plant propagation, asexual reproduction, dormancy, germination.