



Course book First Stage Botany

University of Salahadin

Course book of **Botany** Dr. Suhaira Waleed Abdullah

College of Basic Education Department of General science

Botany for Under Graduate students of the second Class

1st Course -2023-2024

Course Programs

First week (2hrs) Introduction Characteristics of organisms ,
Special characteristics of plants, What is plant? Why should
we care about the study of plants?, Scope of Botany.

Second week (2hrs) The plant World Spermatophyte
,(Gymnosperm ,Angiosperm) Monocotyledons ,Dicotyledons,
Plant life cycles , Internal plant parts ,External plant parts,Roots,
Type of roots ,Stem ,Type of stems.

Third week (2hrs) Leaves (Type of leaves) , Flower(Type of flowers) , Fruit (Type of fruits)

Fourth week (2hrs) Seed , Germination ,Photosynthesis ,Respiration,Transpiration

Fifth week (2hrs) Environmental factors affecting plant growth Light –Quality ,Quantity and Duration

Sixth week (2hrs) Plants in Communities, Plant hormones and growth regulators

Seventh week (2hrs) Pollination and Fertilization ,How do plants get pollen from one plant to another?

Animal pollinators (Bees ,Butterflies and moths ,Birds ,Mammals

Eighth week (2hrs) Plants in different environments (Xerophyte, Halophyte,Hydrophyte, Amphibious)

Ninth week (2hrs) Asexual Reproduction

Tenth week (2hrs) Plant Groups (Algae ,Lichens ,Bryophyte ,Pteridophyta ,Gymnosperms