

LESSON PLAN PRACTICAL
ASPH 1201-FUNDAMENTALS OF CROP PHYSIOLOGY (2+1)

1. Introduction and acquaintance with lab and lab Manual
2. Study of Plant Cell
3. Preparation of Solutions
4. Study of Structure and Distribution of Stomata
5. Study of Imbibition
6. Study of Osmosis
7. Demonstration on Plasmolysis and Deplasmolysis
8. Measurement of Root Pressure
9. Determination of Rate of Transpiration
10. Separation of Photosynthetic Pigments Through Paper Chromatography
11. Estimation of chlorophyll content
12. Study of Rate of Photosynthesis
13. Study of Respiration
14. Measurement of Relative Water Content of Leaf
15. Diagnosis of Nutrient Deficiencies for Mineral Nutrient Through Rapid Tissue Test
16. Measurement of Photosynthetic CO₂ Assimilation by Infra-Red Gas Analyzer (IRGA)