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## TAB 124 - Plant Anatomy - Avanos Güzel Sanatlar Meslek Yüksekokulu - Bitkisel ve Hayvansal Üre

### General Info

**Objectives of the Course**

To examine the anatomical structures of plants.

**Course Contents**

Cell, Organism, Cell Anatomy, Cell Wall, Primary and Secondary Walls, Cell Wall Thickenings, Simple, Borde Schizolysigenous Intercellular Spaces, Tissues in Higher Plants (Meristematic and Permanent Tissues) and T Meristems According to Developmental Stages, Meristems According to Their Location in Plants (Root, Ste Secondary Thickening, Intercalary Meristems and Their Functions, Permanent (Mature = Continuous) Tissu Epidermal Cells, Shape, Structure, and Functions of Stomata in Plants, Trichomes (Glandular and Non-Glanc and Functions of the Ground Tissue (Parenchyma System = Fundamental Tissue), Classification of Parenchy Parenchyma, and Aerenchyma), Mechanical System (Supporting Tissues), Morphological, Structural, and Fu (Angular, Lamellar, Lacunar, and Tubular Collenchyma), Morphological, Structural, and Functional Character

**Recommended or Required Reading**

Microscope, cell and cell wall dyes, camera attachment, projection device. Lesson book: Açıklamalı Genel B Özmen, 3 Baskıdan, Palme Yayıncılık. Finally, students are also responsible for the course notes given to stu

**Planned Learning Activities and Teaching Methods**

Lectures, question and answer

**Recommended Optional Programme Components**

Students are required to bring their lab coat and gloves with them before coming to class.

**Instructor's Assistants**

There is no assistant.

**Presentation Of Course**

The theory topics are covered in lectures with the help of PowerPoint presentations and the chalkboard. St examined are sectioned together and examined under a microscope.

**Dersi Veren Öğretim Elemanları**

Assoc. Prof. Dr. Ata Eskin

### Program Outcomes

1. Describes the general structure of a plant cell.
2. Explains the structures found in the cell wall.
3. Knows protoplast-cytoplasm and defines organelles and vacuole-ergastic substances in the cytoplas
4. Shows the meristematic tissue and permanent tissues, including parenchyma, found in a plant unde
5. Compares the characteristics of plastid types.
6. Compares, draws, and describes the components of xylem and phloem.
7. Gains the ability to identify plant tissues from anatomical preparations.