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ORT 134 - PLANT ANATOMY - Avanos Güzel Sanatlar Meslek Yüksekokulu - Bitkisel ve Hayvansal

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.

Additionally, students are also responsible for the instructor during exams.

Planned Learning Activities and Teaching Methods

Lectures, question and answer

Recommended Optional Programme Components

Students must bring their aprons 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. Defines the general structure of the plant cell.
2. Describes the structures found in the cell wall.
3. Knows the protoplast and cytoplasm, and identifies the organelles in the cytoplasm, as well as vacuc
4. Shows the meristem tissue and permanent tissues, parenchyma found in a plant under a microscope
5. Compares the characteristics of plastid types.
6. Compares, draws, and describes the xylem and phloem components.
7. Gains the ability to identify plant tissues from anatomical preparations.

Program tanımları ve çıktılarını PDF e aktarma