**Ankara Üniversitesi**

**Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

### BIO 205 PLANT HISTOLOGY LAB Dersi Çalışma Planı (Çalışma Takvimi)

| **Haftalar** | **Haftalık Konu Başlıkları** |
| --- | --- |
| 1.Hafta | Course Objectives and Content: General information about the course. Proposal of supplementary resources and lab materials. |
| 2.Hafta | Plant tissue classification and Intercellular spaces types |
| 3.Hafta | Embryonic (meristems-dividing) tissues I: Apical meristem sample: longitidunal section from the embryonic root of Allium cepa |
| 4.Hafta | Permanent (mature-continuous) tissues II: Ground tissue (Parenchyma)  Palisade and spongy parenchyma samples: Superficial sections from Hedera helix leaves |
| 5.Hafta | Permanent tissues II: Cover tissue (epidermis- Cell wall unlignified); structure and types: Single and multilayered epidermis samples: transversal section from the Clivia and Ficus elastica leaves |
| 6.Hafta | Permanent tissues II: Cover tissue (stoma types); |
| Amaryllis and Graminae type stoma samples: superficial sections from Tradescantia zebrina and Cyperus leaves |
| 7.Hafta | Permanent (mature-continuous) tissues III: Hydatods and trichomes; structure and tasks. Trichome types and missions in different samples. |
| 8.Hafta | Permanent (mature-continuous) tissues IV: Cover tissue (periderm- Cell wall lignified); structure and tasks. Fellem, fellogen and felloderm structure and formation in Sampucus nigra |
| 9.Hafta | Permanent (mature-continuous) tissues V: Supporting tissue; scleranchyma fibers and sclereids in different samples. |
| 10.Hafta | Permanent (mature-continuous) tissues VI: Conducting tissue; structure, elements and tasks. Vascular bundle types in Zea mays and Cucurbita pepo stem samples. |
| 11.Hafta | Phloem; sieve tube, companion cells, phloem scleranchyma, phloem paranchyma in different samples. |
| 12.Hafta | Permanent (mature-continuous) tissues VII: Xylem; trachea, tracheit, xylem scleranchyma and xylem parenchyma. |
| 13.Hafta | Permanent (mature-continuous) tissues VIII: Internal Secretory tissue; samples with oil cavities and resin ducts (i.e Pinus nigra leaf) |
| 14.Hafta | Permanent (mature-continuous) tissues IX: External Secretory tissue; Glandular trichomes in pelargonium zonale leaves. |