



**United Arab Emirates University  
College of Science  
Biology Department**

**BIOC215 - Plant Biology**

**BIOC215: 3 Credit hours**

**Pre-requisite: BIOC2051**

**Instructors: Taoufik Ksiksi and**

**Email: [tksiksi@uaeu.ac.ae](mailto:tksiksi@uaeu.ac.ae)**

**Office hours:**

**Semesters offered: Spring and Fall**

**Synan Abu Qamar**

**[sabuqamar@uaeu.ac.ae](mailto:sabuqamar@uaeu.ac.ae)**

**Sundays 930-1030**

**or by appointment**

**Office Location: Room 312 Building 32**

**Bldg. #21/Biology Dep't Labs/Office #6**

**Textbook:** Introductory Plant Biology, by Stern, Jansky and Bidlack, 9<sup>th</sup> edition, McGraw-Hill.

**Course Content and Semester Plan**

**Part One: Plant Morphology and Anatomy**

This part of the course deals with morphological and anatomical aspects of plant biology. It is meant to introduce the student to the major groups and types of plant tissues, their structure, their function and their contribution to the proper functioning of the plant in different habitats.

- **Cells**
- **Tissues**
- **Roots**
- **Stems**
- **Leaves**
- **Flowers, Fruits and Seeds**

**Part Two: Plant Taxonomy**

This part of the course introduces the student to plant taxonomy and its relation to other plant sciences. Plants are variable in their structures, shape and size, organization, distribution and habitat. With the ever increasing numbers of plant species being identified in different parts of the world, it becomes important to have a reliable system for classification of the different plant species to allow a better utilization and conservation of this diversity.

- **Evolution**

- **Plant names and Classification**
- **Kingdoms: Bacteria, Archaea and Viruses**
- **Kingdom Protista**
- **Kingdom Fungi**
- **Introduction to the Plant Kingdom: Bryophytes**
- **The Seedless Vascular Plants**
- **Introduction to Seed Plants**
- **Seed Plants**

**Final Exam: 13 June 2009 (8-10AM)**

**Evaluation:**

Quizzes, Reports and class activities	50%
Midterm exam	20%
Final exam	30%
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Total	100%