

# COURSE DETAIL

## PLANT CELL BIOLOGY

### Country

Korea, South

### Host Institution

Seoul National University

### Program(s)

Seoul National University

### UCEAP Course Level

Upper Division

### UCEAP Subject Area(s)

Biological Sciences

### UCEAP Course Number

114

### UCEAP Course Suffix

### UCEAP Official Title

PLANT CELL BIOLOGY

### UCEAP Transcript Title

PLANT CELL BIOLOGY

### UCEAP Quarter Units

4.50

### UCEAP Semester Units

3.00

## **Course Description**

This course presents the cellular basis of plant growth and development for undergraduate students in the major of Horticultural Science and Biotechnology. The course provides students with an up-to-date understanding of the plant cell cycle, cell enlargement and cell differentiation processes, which is fundamental for improving plant growth and the production of special plant products. Thorough descriptions on the plant cellular compartments, cell division, dynamic growth and specialization are presented alongside the principles of advanced molecular techniques in genetics and visualization of the plant cell.

Topics include Molecules and membranes, Nucleus, Protein sorting and transport, Cytoskeleton and cell movement, Plasma membrane, Cell wall, Cell cycle and cytokinesis, Regulation, Stem cells and meristems, Cell differentiation, Cell death.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

M2744.000300

### **Host Institution Course Title**

PLANT CELL BIOLOGY

### **Host Institution Course Details**

<https://myetl.snu.ac.kr>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

### **Course Last Reviewed**

2025-2026

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