

Syllabus

Circadian Rhythm in Plants

Course Name	Course type (credit/hours)		전선(3/3)			Course code	
	Target students Division/major/grade		/			Opening semester	
	Class time and classroom						
Reference to this course	Related basic courses						
	Recommended concurrent courses						
	Related advanced courses						
Instructor	Name (title/division)						
	Office Room Number		Office phone Number	1970	e-mail	younghsong@ajou.ac.kr	
	Office hours				Homepage address		
Teaching Assistant	Name (title/division)						
	Office Room Number		Office phone Number		e-mail		

1. Introduction

A circadian rhythm is a roughly 24 hour cycle in the physiological processes of living beings, including plants, animals, fungi and cyanobacteria. In a strict sense, circadian rhythms are endogenously generated, although they can be modulated by external cues such as sunlight and temperature.

The goal of this studies is to understand how plants regulate hormone production, cell regeneration and other biological activities by using this daily cycle and how changes in environments influence physiological events.

2. Course Objectives

3. Class types and activities

- Lecture
- Casual seminars (major): students will read a paper(s) and present key points of the paper(s)

4. Teaching Method

- Lecture
- Casual seminars (major): students will read a paper(s) and present key points of the paper(s)

5. Knowledge and ability required for taking this course

6. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam			
final exam			
quiz			
presentation			
discussion			
homework			
etc			

- Presentation (60 – 90%)
- Written test, if necessary (20 – 30%)
- Attendance (10%)

7. Textbooks

Main/Sub	Title	Writer	Publisher	Publication year
	www.ncbi.nlm.nih.gov			

8. Lecture Schedule

Week	Lecture contents	Lesson type	Remark
1	Introduction for plant circadian clock I	Lecture	
2	Introduction for plant circadian clock II	Lecture	
3	Paper list will be announced	Presentation	

9. Others

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