

# Operating Systems

**[www.ajou.ac.kr](http://www.ajou.ac.kr)**  
**Department of Software**  
**Kyunghee Choi**



**아주대학교**

# Contents

1

**Introduction**

2

**Evaluation**

3

**Schedule**

4

**Miscellaneous**

# Introduction

## ❖ **What is an Operating System?**

- The concepts of Operating System
- The techniques, algorithms, and mechanisms of dealing with computer hardware

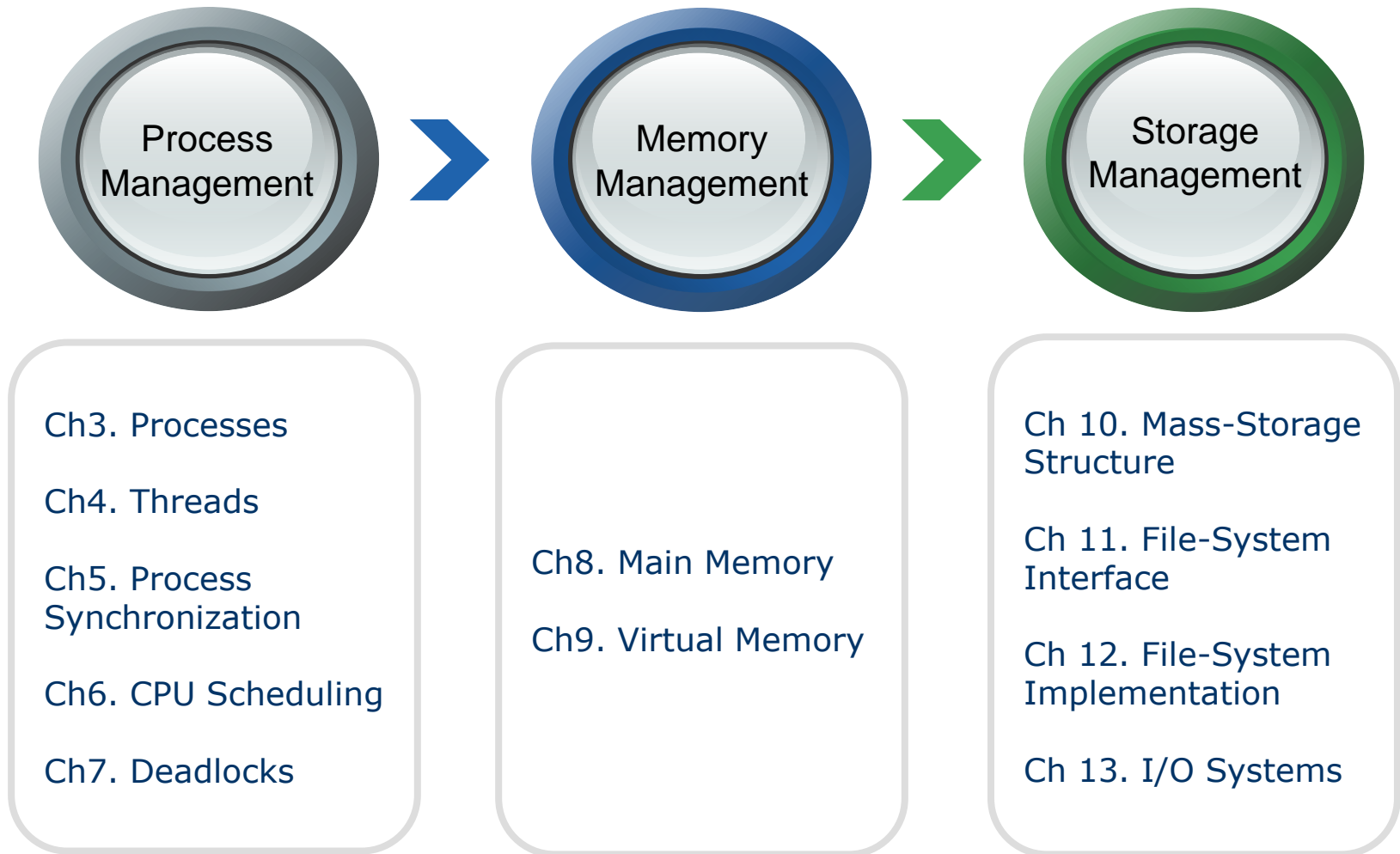
## ❖ **Why is it important?**

- The foundation and principle of operating computer hardware

## ❖ **How does it work?**

- Process management
- Memory management
- Storage management

# Class Structure



# Evaluation

- ❖ **Midterm Exam: 35%**
- ❖ **Final Exam : 35%**
- ❖ **Assignments : 15%**
  - 1 or 2 assignments
- ❖ **Quiz : 10%**
- ❖ **Attendance : 5%**

# Class Schedule

Week	Subject	Style	Assignment
1	CH0. Course Overview CH1. Introduction to Operating Systems	Lecture	
2	CH3. Processes PART I	Lecture	
3	CH3. Processes PART II	Lecture	
4	CH4. Threads	Lecture	
5	CH5. Process Synchronization PART I	Lecture	
6	CH5. Process Synchronization PART II	Lecture	
7	CH6. CPU Scheduling	Lecture	
8	<b>Midterm Exam</b>	<b>Exam</b>	
9	CH7. Deadlocks	Lecture	<b>Assignment #1</b>
10	CH8. Main Memory	Lecture	
11	CH9. Virtual Memory	Lecture	
12	CH10. Mass-Storage Structure	Lecture	
13	CH11. File-System Interface	Lecture	
14	CH12. File-System Implementation	Lecture	
15	CH13. I/O Systems	Lecture	
16	<b>Final Exam</b>	<b>Exam</b>	

# Miscellaneous

## ❖ Textbook

- Operating System Concepts, 10<sup>th</sup> edition
- Author: Abraham Silberschatz, Peter B. Galvin, Greg Gagne

## ❖ Office Hours

- 수업 직후

## ❖ Instructor

- Email: khchoi@ajou.ac.kr
- Phone: 010-6755-2435