Introduction to this Course (Special Topics in Computer Architecture)

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Outline

• Course coverage) स्थाप मिया ।

• Course objective > 午回 乳缸

Course information

- Contact information/textbook/online information
- Weekly schedule
- Grading Policy
- Notice for mid-term exam + 왔아 행
- Notice for final exam ラッツを対

Course Coverage) स्थाप स्थापे । का

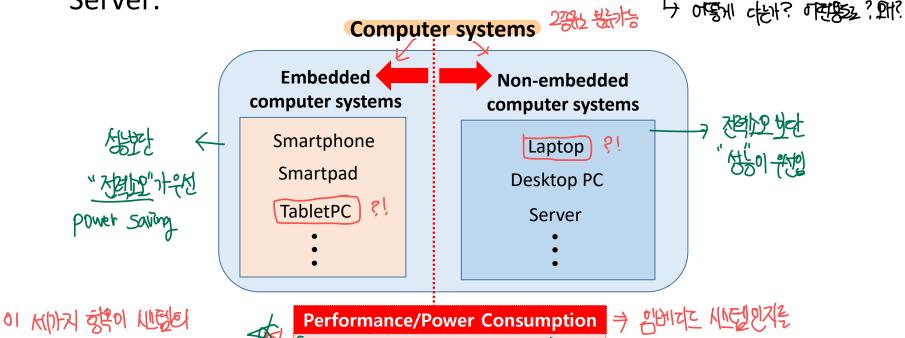
 Major issues covered in this course include memory hierarchy, cache memory, micro-architecture of CPU.

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Course Objective > - APP STY

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This course provides you with the most important insights into real undrerstanding of today's various computer systems such as smartphone, smartpad, tabletPC, laptop, desktopPC and Server.



performance/Power? +

Memory hierarchy

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Contact information

Email: <u>awgsize@gmail.com</u>

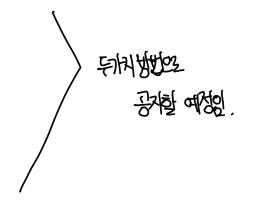
Kakaotalk ID: awgsize

 Add me on Kakaotalk and send your major/year/student ID/name with this course name through 1:1 chatting on Kakaotalk.

✓ For example: XXX수업 듣는 XXX전공 X학년 학번 1234567 이름 XXX 입니다.

Textbook

Lecture notes (PPT slides) by Prof. Yoonjin Kim



Online information

- SnowBoard (<u>http://snowboard.sookmyung.ac.kr</u>)
 - Lecture notes (PPT slides), notices

Weekly schedule

Week	Topics
/ 1	Introduction to this Course
2	Introduction to Memory#1
3	Introduction to Memory#2
4	Basis and Theory for Digital Circuits
5	Introduction to CPU
6	Physical Implementation 물건 7현
7	Midterm Exam Q&A
8	Midterm Exam

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Week	Topics
9	Introduction to Cache memory
10	Cache Memory Evaluation of Commercial CPU Products
11	Advanced Topics for Micro-Architecture of CPU
12	Performance-Power Consumption Metrics for Evaluating Commercial CPUs
13	Announcement for Final Exam
14	Final Exam Q&A
15	Final Exam

Grading policy

Midterm exam 50%

Final exam 50 %

I don't care your attendance and it does not affect your grade.



• Notice for mid-term exam 〈さと〉

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- Open questions 🗦 弘限 🔊

Question#1: Explain why you have to learn the topic every week (2nd week ~ 6th week).

Question#2: Explain what's the most important thing in each topic and

- How to make your answers for the open questions
 - Make PPT file answering two questions.

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- Make 15 minutes video-clip including your presentation of the PPT file.
 - ✓ Use screen-recording program. → 이 型2数位置 発 (PPT 場 %)
- How to submit the PPT file and video-clip
 - Submit the PPT file to 'Midterm Exam' on Snowboard. → 八字文 PPT 本長
 - Let me know the URL of the video-clip by both kakaoTalk and comments on Snowboard.
 - ✓ Upload the video-clip on the open website such as google drive, YouTube. > open workers (\$\frac{1}{2}\$)
 - Submission deadline: Shown in 'Midterm Exam' on Snowboard

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- Notice for mid-term exam
 - Rating policy (total 50%)
- 는 Logicality of your answers: 30%

 Clarity of your presentation in video-clip: 10%

 Overall organization of PPT file: 10%

Notice for final exam

- → 상업적 컴퓨터 시시템 평가
- Evaluation of commercial computer systems
 - Select 4 cases of commercial computer systems that you want to evaluate.
 - 4개 왕 생택 ✓ A <u>smartphone</u>, a <u>smartpad</u>, a <u>laptop</u> and a <u>desktop</u> ⇒ 생/전호등 배가운 퇴제한
 - Evaluate the selected computer systems by the topics you learn in this course.
- How to make your evaluation contents

→ PPT format 존재함 (11주쯤 될 계획)

- Make PPT file for presenting your evaluation PPT format will be annouced.
- Make 15 minutes video-clip including your presentation of the PPT file
 - ✓ Use screen-recording program.

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- How to submit your evaluation contents
 - Submit the PPT file to 'Final Exam' on Snowboard. → একুটুলো গুঠা (PPT)
 - Let me know the URL of the video-clip by both kakaoTalk and comments on Snowboard.
 - ✓ Upload the video-clip on the open website such as google drive, YouTube. → website of Longitudes
 - Submission deadline:Shown in 'Final Exam' on Snowboard

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Notice for final exam

Rating policy (total 50%)

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