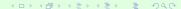# System Programming

Course Introduction

Hyunsoo Lee, Ph. D, Associate Prof.

March 5, 2021

Outline

1. 1. Announcement
   - 1.1. Announcement
   - 1.2. What you have to do

2. 2. Prof. Info.
   - 2.1 Info I
   - 2.2 Info II
   - 2.3 Info III

3. 3.Course Info.
   - 3.1. Course Overview
   - 3.2. Grade Policies
   - 3.3. Course Topics

1. Announcement
2. Prof. Info.
3.Course Info.

1.1. Announcement
1.2. What you have to do

Course Principle

Principle

- Don't be late at the beginning of each class
- Cheating behaviors have the greatest penalties
- Private usages of computers are prehibitied strongly.
- Don't ask silly questions

1. Announcement
2. Prof. Info.
3.Course Info.

1.1. Announcement
1.2. What you have to do

Homework-Homepage

- Make your own homepage
- Address : http://gokit.kumoh.ac.kr/∼ sURL/system
    - ex) http://gokit.kumoh.ac.kr/∼ s20151111/mfg
- Your picture & "I keep the promises between Prof. and I"
- Due date : March 12th (Friday Midnight

1. Announcement
2. Prof. Info.
3. Course Info.

2.1 Info I
2.2 Info II
2.3 Info III

Instructor : Hyunsoo Lee

Academic Career

- 1) 2006∼2010 : Ph.D , Industrial & Systems Engineering, Texas A&M University
- 2) 2000∼2002 : MS, Industrial & Production Engineering, POSTECH
- 3) 1993∼1997 : BS. Industrial Engineering, SKKU

More Info.

- Prof. Homepage : http://kit.kumoh.ac.kr/∼hsl

1. Announcement
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2.1 Info I
2.2 Info II
2.3 Info III

Career

Professional Career

- 1) 09.2016~ : Associate Prof.
- 2) 09.2011~08.2016 : Assistant Prof. / School of Industrial Engineering / Kumoh National Institute of Technology
- 3) 2010~2011 : Senior Manager, SCM Division, LG Electronics
- 4) 2009~2010 : Teaching Instructor, Texas AM University, USA
- 5) 2006~2019 : RA / TA, Texas AM University, USA
- 6) 2002~2006 : Advisory Consultant, Samsung SDS

Project

Project Info.

- Project Info : Refer Course Homepage

1. Announcement
2. Prof. Info.
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3.1. Course Overview
3.2. Grade Policies
3.3. Course Topics

Course Overview

Course Info.

- Course Title : System Programming
- Course Homepage :
  http://kit.kumoh.ac.kr/~hsl/courses/system
- Course time
  - Course : 09:00AM ~ 11:50 PM, Every Monday, G702
  - Depend on "COVID-19" Guidelines

1. Announcement
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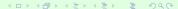
3.1. Course Overview
3.2. Grade Policies
3.3. Course Topics

Grade Policies

Score Portion

- Midterm I/II (30%) Final (35%) Quiz & Homework (20%) Attendance (10%) Attitude (5%)

Basic Policies

- 1) Passion
- 2) Attendance
- 3) Prior execuse for absenses (ill, care, job interview)
- 4) Don't miss Midterm/Final Exams
- 5) Don't interrupt class

1. Announcement
2. Prof. Info.
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3.1. Course Overview
3.2. Grade Policies
3.3. Course Topics

To be Covered

Topics

- 1) Embedded System
- 2) Understanding of Electronics / Mechatronics
- 3) Handling of Sensor / Actuator
- 4) Handing of ICT / Communication Protocol
- 5) Understanding of Robot System
- 6) Programming / Implementation
- 7) Intelligent System

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3.2. Grade Policies
3.3. Course Topics

Preparation & Discussion

Preparation

- Rasberry-Pi 4 Model B (April)

Discussion

- Change of Couse Time