

Course Syllabus for Software Experiment II

Fall, 2017, SWE2007

Instructor: Prof.Shin (신동군)

Contacts: Dongkun@skku.edu

Time and Place:

SWE2007: Wed., 18:00-19:45, 20:00-21:45, 21514 (Engineering Building 1)

Office Hour: Mon./Fri., 17:00-19:00 at 85465(산학협력센터)

Teaching Assistants (TAs):

Hayun Lee (이하윤), lhy920806@gmail.com

Jongwon Park (박종원), jonglprk@gmail.com

Course Outline:

UNIX system API, Programming Team Assignment Project Proposal Project Demo

Recommended Prerequisites: Data structures, Basis and Practice in Programming

Textbook and References:

-Randal E. Bryant and David R. O'Hallaron, Second Edition, Prentice-Hall, Inc.2010.

<http://csapp.cs.cmu.edu>

Course Materials & Assignments

- Materials: <http://nyx.skku.ac.kr/>

- Assignments: <http://www.icampus.ac.kr>

Grading Policy:

Class attendance (10%)

Lab exercises (50%)

Term projects (40%)

-There will be no exams

Schedule

Week	Contents	Notes
1	Course Overview	
2	Intro	Assignment0: ~week3
3	File I/O	Assignment1: ~week5
4	File I/O examples	
5	Processes	Assignment2: ~week7
6	-	
7	signal	Assignment3: ~week10
8	-	
9	(Midterm Exam)	
10	IPC	
11	Sockets	
12	Sockets II	Assignment4: ~week14
13	Concurrency	
14	Pthreads	
15	Pthreads II	Assignment5: ~week17+
16	-	
17	(Final Exam)	