28/09/2022, 20:25 syllabus

Syllabus for the second semester of 2022

General Information

Subject 3176 number **Subject** system programming name Consultation time You can set up principles and plans for your own learning Core activities and systematically Competencyctice them. Understand a Lecture variety of information and Goals knowledge, identify problems, analyze and reason, and apply them to problem solving Preliminary knowledge of C **Notes** language is required Midterm Exam: 10.18 7:00pm - 8:00pm on course Final Exam: 12.13 7:00pm - $\textbf{application}_{00pm}$

evaluation rate

evaluation rate			
ltem	importance(%)	perfect score	Disclosure
attendance rate	10	100	open
midterm exam rate	25	100	open
Final exam rate	25	100	open
Assignment rate	40	100	open
Quiz	0	0	open
Announcement	0	0	open
project	0	0	open
debate	0	0	open
Other 5	0	0	open

lecture material

numb	Classification er of textbooks	Textbook name	author	publisher	Year of publication
One	supplement material	afgmputer Systems (A Programmer's Perspective)	Randal E. Bryant	Pearson	
2	supplement material	Advanced Programming in the Unix tary Environment (Addison-Wesley Professional Computing)	Addison-Wesley Professional	Addison- WesleyProfession	al
3	supplement material	tary Linux System Programming	Robert Love	O'REILLY	

Lecture assignments

numbe	er Project Title	When to submit	How to submit
One	Programming Assignment #1		
2	Programming Assignment #2		

Weekly syllabus

28/09/2022, 20:25 syllabus

28/09/2022, 20:25 syllabus								
parking	j period	topic	lecture content	Class type	lecture activities	Instructor in charge		
One	08/29 ~ 09/03	Introduction, Basic Linux	- Introduction - Setting Linux environment					
2	09/05 ~ 09/10	Basic Linux	- Basic Linux Commands - Basic Linux Tools					
3	09/12 ~ 09/17	Multiprocess Programming	- Multiprocess Programming - Introduction to Signal					
4	09/19 ~ 09/24	Multiprocess Programming	- Signal Programming - Examples of Signal Programming					
5	09/26 ~ 10/01	Multiprocess Programming	- Assembly Language					
6	10/03 ~ 10/08	Multiprocess Programming	- IPC - Pipe					
7	10/10 ~ 10/15	Multiprocess Programming	- Message Queue - Summary for the first half of the semester					
8	10/17 ~ 10/22	midterm exam	- Midterm exam					
9	10/24 ~ 10/29	Multi-threaded Programming	- Introduction to Thread - Thread Synchronization					
10	10/31 ~ 11/05	Multi-threaded Programming, File I/O	- Issues in Multithreaded Program - Basic File I/O					
11	11/07 ~ 11/12	File I/O	- File Offset - Multiplexed I/O					
12	11/14 ~ 11/19	File I/O	- Memory mapped I/O - I/O redirection					
13	11/21 ~ 11/26	File I/O	- Standard I/O library - Review for homework #1					
14	11/28 ~ 12/03	Timer	- Time Management					
15	12/05 ~ 12/10	Timer	- Timer, Summary for the second half of the semester					
16	12/12 ~ 12/17	final exam	- Final exam					
			· ·			-		