## Tamkang University Academic Year 108, 2nd Semester Course Syllabus

Course Title	OPERATING SYSTEMS	Instructor	HUANG-WEN HUANG	
Course Class	TQIDB2A  DIVISION OF APPLIED INFORMATICS,  DEPARTMENT OF INNOVATIVE INFORMATION	Details	<ul><li>General Course</li><li>Required</li><li>One Semester</li></ul>	
	AND TECHNOLOGY (ENGLISH-TAUGHT PROGRAM), <sup>2A</sup> Departmental Aim of Educ	ation		
Cultivate pro	ofessional talents in developing and applying information syster	m in various fie	elds.	
	Subject Departmental core competence	es		
E. Capabili	ty of integrating information system(ratio:100.00)			
	Subject Schoolwide essential virtues			
<ul><li>2. Information literacy. (ratio:70.00)</li><li>3. A vision for the future. (ratio:10.00)</li><li>5. Independent thinking. (ratio:20.00)</li></ul>				
Course Introduction				

## The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive: Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II. Affective: Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.	Teaching Objectives	objective methods
1	Students are able to get familiar with all "managers" in operating systems	Cognitive
2	Students are able to understand operation principles of all managers in operating systems.	Cognitive
3	Students are able to analyze manager's functionalities in operating systems.	Cognitive
4	Students are able to integrate or understand all parts in operating systems as a whole.	Cognitive
5	Students are able to understand the importance of resource management from operating systems and their performance.	Cognitive
6	Students are able to get familiar with recent technologies in operating systems.	Affective
7	Enhancing students' ability to write read and speak technical English especially in the operating systems theory.	Psychomotor

The correspondences of teaching objectives: core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	E	2	Lecture	Testing
2	E	25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)
3	E	2	Lecture	Testing
4	E	23	Lecture	Report(including oral and written)
5	E	25	Lecture, Discussion, Imitation	Testing, Study Assignments, Report(including oral and written)

6	E		235	Lecture	Testing, Discussion(including classroom and online), Report(including oral and written)
7	Е		2	Lecture	Testing
				Course Schedule	
Week	Date			Course Contents	Note
1	109/03/02 ~ 109/03/08		uction to operat ne Hardware(1.8		
2	109/03/09 ~ 109/03/15		ry Management uous Scheme(2		
3	109/03/16 ~ 109/03/22	Fixed P	Partitions (2.3); [	Dynamic Partitions (2.4);	
4	109/03/23 ~ 109/03/29	Memory Management: Virtual Memory (3.1)			Shown in the Parentheses are corresponding sections in the textbook.
5	109/03/30 ~ 109/04/05	Allocat	eplacement Pol iion (3.5)Segme iion (3.6)		
6	109/04/06 ~ 109/04/12	Processor Management(4.1); Job Scheduling (4.2);			
7	109/04/13 ~ 109/04/19		s Scheduling Po hms (4.5)		
8	109/04/20 ~ 109/04/26	Proces	s Management		
9	109/04/27 ~ 109/05/03	Midter	m Exam Week		
10	109/05/04 ~ 109/05/10	Conditions for Deadlocks (5.3); Seven Cases of Deadlocks (5.4)			
11	109/05/11 ~ 109/05/17	Solutio	ons to midterm;		
12	109/05/18 ~ 109/05/24	Device	Management (		
13	109/05/25 ~ 109/05/31	RAID (7	7.2)		
14	109/06/01 ~ 109/06/07	FILE M	anagement (8.1	)	
15	109/06/08 ~ 109/06/14	Access	Methods (8.2)		
16	109/06/15 ~ 109/06/21	UNIX			
17	109/06/22 ~ 109/06/28	Final Exam Week (Date:109/6/18-109/6/24)			

18	109/06/29 ~ 109/07/05	Supplementary teaching: WINDOWS; LINUX; ANDROID			
Re	quirement	1.平時評量 means term project or small test. 10%			
Tea	ching Facility	Computer, Projector			
	ooks and ng Materials	Ida M. Flynn, Ann McIver McHoes, Understanding Operating Systems, Fourth Edition, Course Technology, 2006, ISBN 0-534-42366-3.			
References		Jose M. Garrido, and Richard Schlesinger, Principles of Modern Operating Systems,     Jones and Bartlett Publications, Inc. 2008.			
Number of Assignment(s)		3 (Filled in by assignment instructor only)			
Grading Policy		<ul> <li>◆ Attendance: 10.0 % ◆ Mark of Usual: 10.0 % ◆ Midterm Exam: 25.0 %</li> <li>◆ Final Exam: 25.0 %</li> <li>◆ Other ⟨project and Homework⟩: 30.0 %</li> </ul>			
Note		This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the  home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> .   ** Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.			

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