Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	LINEAR ALGEBRA	Instructor	CHU, LIOU				
Course Class	TQIDB1A DIVISION OF APPLIED INFORMATICS, DEPARTMENT OF INNOVATIVE INFORMATION	VISION OF APPLIED INFORMATICS, Details ◆ Required €PARTMENT OF INNOVATIVE INFORMATION ◆ One Semester					
PROGRAM), ^{1A} Departmental Aim of Education							
Cultivate pro	ofessional talents in developing and applying information syster	m in various fie	elds.				
	Subject Departmental core competence	es					
B. Capability of applying basic mathematics and information technology related mathematics(ratio:100.00)							
	Subject Schoolwide essential virtues						
2. Informa	tion literacy. (ratio:60.00)						
5. Indeper	ndent thinking. (ratio:40.00)						
Course Introduction	The course gives an introductory concept of Linear Algebra was application contents in order to establish foundations for adv						

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.

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No.			objective methods				
	1. Linear Syst Product Spac		Cognitive				
	The c	correspond	dences of teaching objective	s : core competences, essential virtues, teaching me	thods, and assessment		
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment		
1	В		25	Lecture, Discussion	Testing, Discussion(including classroom and online), Activity Participation		
				Course Schedule			
Week	Date		Соц	urse Contents	Note		
1	108/09/09 ~ 108/09/15	Ch 1. System of Linear Equations and Matrices					
2	108/09/16 ~ 108/09/22	Ch 2. Determinants					
3	108/09/23 ~ 108/09/29	Ch 3. Vectors in 2-Space and 3-Space					
4	108/09/30 ~ 108/10/06	Ch 3. V	Ch 3. Vectors in 2-Space and 3-Space				
5	108/10/07 ~ 108/10/13	Ch 3. V	Ch 3. Vectors in 2-Space and 3-Space				
6	108/10/14 ~ 108/10/20	Ch 4. E	Ch 4. Euclidean Vector Spaces				
7	108/10/21 ~ 108/10/27	Ch 4. Euclidean Vector Spaces					
8	108/10/28 ~ 108/11/03	Ch 4. Euclidean Vector Spaces					
9	108/11/04 ~ 108/11/10	Ch 4. Euclidean Vector Spaces					
10	108/11/11 ~ 108/11/17	Midterm Exam Week					
11	108/11/18 ~ 108/11/24	Ch 5. G	Ch 5. General Vector Spaces				

12	108/11/25 ~ 108/12/01	Ch 5. General Vector Spaces				
13	108/12/02 ~ 108/12/08	Ch 5. General Vector Spaces				
14	108/12/09 ~ 108/12/15	Ch 6. Inner Product Spaces				
15	108/12/16 ~ 108/12/22	Ch 6. Inner Product Spaces				
16	108/12/23 ~ 108/12/29	Ch 6. Inner Product Spaces				
17	108/12/30 ~ 109/01/05	Ch 7. Eigenvalues, Eigenvectors				
18	109/01/06 ~ 109/01/12	Final Exam Week (Date:109/1/3-109/1/9)				
Requirement		1. Attendance of all classes is required.				
Teaching Facility Textbooks and Teaching Materials		Computer, Projector Elementary Linear Algebra, Anton and Rorres, John Wiley and Sons, 11th or the latest edition.				
R	eferences					
Number of Assignment(s)		6 (Filled in by assignment instructor only)				
Grading Policy		 ◆ Attendance: %				

Note	This syllabus may be uploaded at the website of Course Syllabus Management System at http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php .
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