Tamkang University Academic Year 105, 1st Semester Course Syllabus

Course Title	STATISTICS	Instructor	LEI YING-HUI
Course Class	TQICB2A DIVISION OF SOFTWARE ENGINEERING, DEPARTMENT OF INNOVATIVE INFORMATION	Details	SelectiveOne Semester3 Credits
	PROGRAM), 2ADepartmental Aim of Educ	ation	
Cultivate pr	ofessional talents in developing and applying information syster	m in various fi	elds.
	Departmental core competences		
A. Capabili	A. Capability of computer program coding, process planning, and problem solving		
B. Capabili	ty of applying basic mathematics and information technology re	elated mathen	natics
C. Capabili system	C. Capability of applying knowledge of internet structure and protocol in communication system		
D. Capabili	ty of developing information system		
E. Capabili	E. Capability of integrating information system		
Course Introduction	This course is aimed to teach fundamental theories of statisti of them.	cs and the app	plication

The Relevance among Teaching Objectives, Objective Levels and Departmental core competences

I.Objective Levels (select applicable ones):

(i) Cognitive Domain : C1-Remembering, C2-Understanding, C3-Applying, C4-Analyzing, C5-Evaluating, C6-Creating

(ii) Psychomotor Domain: P1-Imitation, P2-Mechanism, P3-Independent Operation,

P4-Linked Operation, P5-Automation, P6-Origination

(iii) Affective Domain : A1-Receiving, A2-Responding, A3-Valuing, A4-Organizing, A5-Charaterizing, A6-Implementing

II. The Relevance among Teaching Objectives, Objective Levels and Departmental core competences:

- (i) Determine the objective level(s) in any one of the three learning domains (cognitive, psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3,C5,and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time. (For example, if one objective corresponds to three Departmental core competences: A,AD, and BEF, list all of the three in the box.)

			Relevance	
No	Teaching Objectives	Objective Levels	Departmental core competences	
1	To teach fundamental theories of statistics and the application of		В	
	them.			

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	To teach fundamental theories of statistics and the application of	Lecture	
	them.		

Essential Qualities of TKU Students		Qualities of TKU Students	Desc	ription	
◆ A global perspective		pective	Helping students develop a broader perspective from which to understand international affairs and global development.		
 ♣ Information literacy ♠ A vision for the future ♠ Moral integrity ♠ Independent thinking ♠ A cheerful attitude and healthy lifestyle ♠ A spirit of teamwork and dedication ♠ A sense of aesthetic appreciation 		teracy	Becoming adept at using information the proper way to process information		
		e future	Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision. Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.		
		у			
		thinking		Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.	
		itude and healthy lifestyle		Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.	
		mwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.		
		sthetic appreciation	Equipping students with the ability to aesthetic beauty, to express themselve the creative process.		
		_	Course Schedule		
Veek	Date		Subject/Topics	Note	
1	105/09/12 ~ 105/09/18	Introduction/Probability			
2	105/09/19 ~ 105/09/25	Introduction/Probability			
3	105/09/26 ~ 105/10/02	Random variables and prob	pability distribution		
4	105/10/03 ~ 105/10/09	Random variables and prob	pability distribution		
5	105/10/10 ~ 105/10/16	Mathematical expectation			
6	105/10/17 ~ 105/10/23	Mathematical expectation			
7	105/10/24 ~ 105/10/30	Some discrete probability distributions			
8	105/10/31 ~ 105/11/06	Some discrete probability distributions			
9	105/11/07 ~ 105/11/13	Some discrete probability distributions			
10	105/11/14 ~ 105/11/20	Midterm Exam Week			
10	105/11/21 ~	Fundamental sampling distributions and data			
11	105/11/27				

13	105/12/05 ~ 105/12/11	Fundamental sampling distributions and data
14	105/12/12 ~ 105/12/18	Fundamental sampling distributions and data
15	105/12/19 ~ 105/12/25	Sample test of hypotheses
16	105/12/26 ~ 106/01/01	Sample test of hypotheses
17	106/01/02 ~ 106/01/08	Sample test of hypotheses
18	106/01/09 ~ 106/01/15	Final Exam Week
Re	quirement	
Теа	eaching Facility Other ()	
Textbook(s)		
Reference(s)		
Number of Assignment(s)		(Filled in by assignment instructor only)
Grading Policy		 ↑ Attendance: %
	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 . **Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.	

TQICB2M0517 0A Page:4/4 2016/8/1 8:27:22