

Tamkang University Academic Year 107, 2nd Semester Course Syllabus

Course Title	SEMINAR (II)	Instructor	WU SHUO-JYE
Course Class	TLSXM2A MASTER'S PROGRAM, DEPARTMENT OF STATISTICS, 2A	Details	<ul style="list-style-type: none"> ◆ Selective ◆ 2nd Semester ◆ 1 Credits
D e p a r t m e n t a l A i m o f E d u c a t i o n			
<p>I . Cultivate students with ability to conduct research on statistical theory.</p> <p>II . Cultivate students with ability for statistical programming.</p> <p>III . Cultivate students to become statistical professionals with management capabilities.</p> <p>IV . Cultivate students with international perspectives.</p>			
D e p a r t m e n t a l c o r e c o m p e t e n c e s			
<p>A. Ability to conduct research of statistical theory.</p> <p>B. Data analysis skills.</p> <p>C. Ability to acquire interdisciplinary knowledge.</p> <p>D. Logical thinking ability.</p> <p>E. Statistical consulting ability.</p>			
Course Introduction	<p>The aim of this course is to help graduate students to understand the recent developments and results of statistical research in different areas. This course provides opportunities for students to practice the skills of oral presentation. A few invited talks are also given by some scholars in this semester. With the process of reporting and questioning, it is possible for the students to improve their skills in briefing. The invited talks can also increase the statistical knowledge of students. Furthermore, it intends to improve the research ability and quality of students.</p>		

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-Characterizing, 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.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Departmental core competences
1	Students are able to understand how to use academic statistics-related database and obtain the information about recent research and application in statistics.	C3	ABCD
2	Students are able to practice the skills of oral presentation about research paper, and discuss the questions raised by the audience.	C5	ABCD
3	Students are able to increase their statistical knowledge by attending the invited talks, and improve the ability and quality of their research studies.	C6	ABCD

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Students are able to understand how to use academic statistics-related database and obtain the information about recent research and application in statistics.	Lecture, Discussion, Appreciation, Simulation, Practicum	Practicum, Report, Participation
2	Students are able to practice the skills of oral presentation about research paper, and discuss the questions raised by the audience.	Lecture, Discussion, Appreciation, Simulation, Practicum, Problem solving	Practicum, Report, Participation

3	Students are able to increase their statistical knowledge by attending the invited talks, and improve the ability and quality of their research studies.	Discussion, Appreciation, Simulation, Practicum, Problem solving	Practicum, Report, Participation
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This course has been designed to cultivate the following essential qualities in TKU students

Essential Qualities of TKU Students	Description
◆ A global perspective	Helping students develop a broader perspective from which to understand international affairs and global development.
◆ Information literacy	Becoming adept at using information technology and learning the proper way to process information.
◆ A vision for the future	Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.
◇ Moral integrity	Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.
◆ Independent thinking	Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.
◇ A cheerful attitude 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.
◆ A spirit of teamwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.
◇ A sense of aesthetic appreciation	Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.

Course Schedule

Week	Date	Subject/Topics	Note
1	108/02/18 ~ 108/02/24	課程介紹	
2	108/02/25 ~ 108/03/03	和平紀念日 (放假一天)	
3	108/03/04 ~ 108/03/10	學術演講 -- 蕭金福研究員 (國家衛生研究院群體健康科學研究所)	B302A
4	108/03/11 ~ 108/03/17	學術演講 -- 彭健育副研究員 (中央研究院統計科學研究所)	B302A
5	108/03/18 ~ 108/03/24	學生報告	
6	108/03/25 ~ 108/03/31	學生報告	
7	108/04/01 ~ 108/04/07	春假	
8	108/04/08 ~ 108/04/14	百瑞精鼎	B302A

9	108/04/15 ~ 108/04/21	學術演講 -- 潘宏裕助理教授 (國立嘉義大學應用數學系)	B302A
10	108/04/22 ~ 108/04/28	期中考週	
11	108/04/29 ~ 108/05/05	學生報告	
12	108/05/06 ~ 108/05/12	學生報告	
13	108/05/13 ~ 108/05/19	學生報告	
14	108/05/20 ~ 108/05/26	學生報告	
15	108/05/27 ~ 108/06/02	學術演講 -- 楊欣洲研究員 (中央研究院統計科學研究所)	B302A
16	108/06/03 ~ 108/06/09	學生報告	
17	108/06/10 ~ 108/06/16	學生報告	
18	108/06/17 ~ 108/06/23	課程總結	
Requirement	<p>1. 平時成績以課堂參與討論來評分，包括學生報告時的提問和回答，以及學術演講時的提問。</p> <p>2. 系上舉辦之學術性演講每缺席一次扣學期成績 20 分，遲到或中途離席一次扣學期成績 15 分。</p> <p>3. 平時上課每缺席一次扣學期成績 15 分，遲到一次扣學期成績 10 分。</p> <p>4. 學術演講或學生報告時，如不聽講而做私人事務或打瞌睡者，每次扣學期成績 25 分。</p> <p>5. 論文研讀報告之補充說明，應於課堂報告結束後一週內繳交，逾時視為不做補充說明。</p>		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)	請參考 iClass 上之相關資料		
Number of Assignment(s)	15 (Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : % ◆ Mark of Usual : 30.0 % ◆ Midterm Exam : %</p> <p>◆ Final Exam : %</p> <p>◆ Other (論文研讀報告 : 40%、學術演講報告 : 30) : 70.0 %</p>		
Note	<p>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.</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>		