

## Tamkang University Academic Year 107, 2nd Semester Course Syllabus

Course Title	APPLIED STATISTICAL SOFTWARES	Instructor	CHOU, YING-LUNG
Course Class	TQGX B1A DEPARTMENT OF GLOBAL POLITICS AND ECONOMICS (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> <li>◆ Selective</li> <li>◆ One Semester</li> <li>◆ 2 Credits</li> </ul>
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>To be equipped with a basic knowledge of economics and political science, to develop confidence in communicating professionally and academically in English in matters related to the global political economy; to acquire the capability to conduct further research individually and collectively with others; and ultimately to prepare oneself to become professionals and leaders with a global perspective for the international arena.</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			
<ul style="list-style-type: none"> <li>A. Provide essential analytical abilities in the area of politics and economics</li> <li>B. Provide knowledge and skills to understand the current global issues</li> <li>C. Develop a high level of proficiency in verbal and written English required in the course of study and for communication purposes</li> <li>D. Develop ability to pursue research independently as well as in teams</li> <li>E. Provide basic knowledge on Taiwan's political and economic development</li> </ul>			
Course Introduction	<p>Help student to be familiar with the SPSS (Statistical Product and Service Solutions) software.</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	To be familiar with the SPSS software.	C4	AD

**Teaching Objectives, Teaching Methods and Assessment**

No.	Teaching Objectives	Teaching Methods	Assessment
1	To be familiar with the SPSS software.	Lecture, Practicum, Problem solving	Written test, Report, Participation

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	Course Introduction	
2	108/02/25 ~ 108/03/03	Introduction of IPM SPSS/ Build Up a Data File	
3	108/03/04 ~ 108/03/10	Basic Syntax of SPSS: variables setting related/ Descriptive Statistics/Figures	
4	108/03/11 ~ 108/03/17	Basic Syntax of SPSS: recode/ Assignment (1)	
5	108/03/18 ~ 108/03/24	Basic Syntax of SPSS: create a new variable (1)	
6	108/03/25 ~ 108/03/31	Basic Syntax of SPSS: create a new variable (2)/ Assignments (2)	
7	108/04/01 ~ 108/04/07	Spring Break	
8	108/04/08 ~ 108/04/14	Combine Data Sets/ Assignment (3)	
9	108/04/15 ~ 108/04/21	Inferences from Two Samples (1)	
10	108/04/22 ~ 108/04/28	Midterm Exam Week	
11	108/04/29 ~ 108/05/05	Review of Midterm Exam	
12	108/05/06 ~ 108/05/12	Inferences from Two Samples (2)/ Assignment (4)	

13	108/05/13 ~ 108/05/19	Contingency Tables (1)	
14	108/05/20 ~ 108/05/26	Contingency Tables (2)/ Assignment (5)	
15	108/05/27 ~ 108/06/02	Linear Regression (1)	
16	108/06/03 ~ 108/06/09	Linear Regression (2)/ Assignment (6)	
17	108/06/10 ~ 108/06/16	Review & Exercise	
18	108/06/17 ~ 108/06/23	Final Exam Week	
Requirement	According to TKU Study Regulations, article 38, if a student's class absence reaches one-third of the total class hours (in a semester) for a particular course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for that course) of zero.		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)			
Number of Assignment(s)	6 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 10.0 %    ◆ Mark of Usual :        %    ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other (Assignments) : 30.0 %		
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> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>		