Tamkang University Academic Year 103, 2nd Semester Course Syllabus

Course Title	FUTURES STUDIES IN ENVIRONMENT	Instructor	WEILI JASMINE CHEN
Course Class	TGVRB0A FUTURES STUDIES ON LANYANG CAMPUS, 0A	Details	◆ Required ◆ One Semester ◆ 2 Credits

Academic Aim of Education

Ⅰ. To introduce basic knowledge on futures studies.

Ⅱ. To raise awareness and to foster positive attitude towards the future of humanities.

Ⅲ. To cultivate critical thinking skills with a foresight perspective.

Ⅳ. To cultivate the ability to explore futures issues with interdisciplinary perspectives.

Ⅴ. To develop skills for spotting emerging issues.

Schoolwide essential virtues

A. A global perspective.

B. Information literacy.

C. A vision for the future.

D. Moral integrity.

E. Independent thinking.

F. A cheerful attitude and healthy lifestyle.

G. A spirit of teamwork and dedication.

H. A sense of aesthetic appreciation.

Course Introduction	This general education course will select major trends, issues, and solutions from two global landmark forum--the Rio+ (2012) and World Park Congress (2014) on the future of the environment. The course plans to use a Problem-based Learning (PBL) methodology to facilitate learning. Working in groups, students will visit relevant online resources and identify what they already know, what they need to know, and how and where to access new information that may lead to resolution of the problem. The instructor will facilitate learning by supporting, guiding, and monitoring the learning process.

The Relevance among Teaching Objectives, Objective Levels and Schoolwide essential virtues

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 Schoolwide essential virtues :

(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 Schoolwide essential virtues that correspond to each teaching objective. Each objective may correspond to one or more Schoolwide essential virtues at a time. (For example, if one objective corresponds to three Schoolwide essential virtues: A,AD, and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Schoolwide essential virtues
1	Students will have a clear understaning of the expansion, connectivity and better management of parks and protected areas to cover all areas important for biodiversity and ecosystem services	P4	ABEG
2	Students will explore and promote a range of personal, social and government commitments as solutions to global challenges such as climate change, food and water security, health and a green economy.	A4	ABDEG

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Students will have a clear understaning of the expansion, connectivity and better management of parks and protected areas to cover all areas important for biodiversity and ecosystem services	Simulation, Visit, Problem solving	Report
2	Students will explore and promote a range of personal, social and government commitments as solutions to global challenges such as climate change, food and water security, health and a green economy.	Lecture, Discussion, Practicum, Problem solving	Participation

Course Schedule			
Week	Date	Subject/Topics	Note
1	104/02/24 ~ 104/03/01	Cross-Cutting Themes on Our Common Futures: Marine, Biodiversity, Food and Green Economy	
2	104/03/02 ~ 104/03/08	Reaching Sustainability and Conservation Goals – A Vision of Hope; UNESCO Events--International Years and Decades	
3	104/03/09 ~ 104/03/15	Trend and Applications; Principles of Future Studies	
4	104/03/16 ~ 104/03/22	Theme 1: Green Economy--Facts and Status	
5	104/03/23 ~ 104/03/29	Issues and Actions	
6	104/03/30 ~ 104/04/05	Best Practice and Solutions on Our Future from the new media and through innovative partnerships	
7	104/04/06 ~ 104/04/12	Theme 2: Biodiversity and Habitats--Facts and Status	
8	104/04/13 ~ 104/04/19	Issues and Actions--Examine the socio-economic benefits of protected areas, focusing on the provision of water, food and other benefits from nature, and services for disaster risk reduction	
9	104/04/20 ~ 104/04/26	Best Practice and Solutions on Biodiversity's Future	
10	104/04/27 ~ 104/05/03	Midterm Exam Week	
11	104/05/04 ~ 104/05/10	Theme 3: Food--Healthy Food, Healthy People	(Guest Speaker on GMO)
12	104/05/11 ~ 104/05/17	Issues and Actions of friendly farming, agriculture and aquaculture	
13	104/05/18 ~ 104/05/24	Best Practice and Solutions on Food's Future	
14	104/05/25 ~ 104/05/31	Theme 4: Ocean; *Guest Lecture--International Coastal Cleanup	
15	104/06/01 ~ 104/06/07	Issues and Actions--Social Responsibilities	No class
16	104/06/08 ~ 104/06/14	Best Practice and Solutions	
17	104/06/15 ~ 104/06/21	Application II	6/17 (Wed) 1-5pm feildtrip (no class on 3/9; 6/1)
18	104/06/22 ~ 104/06/28	Final Exam Week	

Requirement	ALWAYS use respect and courtesy when responding to others during class sessions. *Students are expected to have individual reading package. 1. Cheating and Plagiarism will receive zero on the task(s): References and acknowledgement of an original author or source must be made through appropriate references. 作弊與抄襲以零分計算，報告請務必引用來源。 2. Points will be deducted for late work (-10% per calendar day late) unless negotiated with the instructor in advance of the due date. Please plan ahead to avoid last-minute technology problems. (無故作業遲交者：24小時內扣10%；24小時後不收件，不接受求情)。 3. Any leave excuse shall be communicated to the instructor in person prior to classes. (學生若有公假、事假應於「課程前」親自告知老師，否則視為缺席) 4. The following behaviors will be STRONG discouraged (using cell phones, iPod, iPad, lap top computers that are not related to course; games, putting make-ups, napping, & reading one’ s own materials in classes; longer than 5-min leave from classroom without notice to instructor). Those who conduct the above mentioned acts for three times will get a 0% participation for grade.)「心思不在課堂者」（如：課程進行間學生若無故使用手機及iPad, iPod等、傳簡訊、玩電玩、打撲克牌、化妝、無故睡覺、看自己的書、離開教室超過5分鐘者，該堂課的參與成績為零，三次以上者出席率為0分
Teaching Facility	Computer, Projector, Other (Field works)
Textbook(s)	IUCN Guidelines for A Sustainable Future Series
Reference(s)	UN (2012) The Future We Want (Official Website: http://www.un.org/en/sustainablefuture/index.shtml); Multimedia: More than Honey; The Dark Side of Chocolate; Sustainable Table" What's on Your Plate?; Big Boys Gone Bananas!; Food, Inc.; Black Gold
Number of Assignment(s)	2 (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： % ◆ Mark of Usual：20.0 % ◆ Midterm Exam： 30.0 % ◆ Final Exam： 30.0 % ◆ Other〈Case/Analysis〉：20.0 %
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 . **※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.**