

Tamkang University Academic Year 104, 2nd Semester Course Syllabus

Course Title	FUTURES STUDIES IN ENVIRONMENT	Instructor	
Course Class	TGVRB0A FUTURES STUDIES ON LANYANG CAMPUS, 0A	Details	<ul style="list-style-type: none"> ◆ Required ◆ One Semester ◆ 2 Credits
Academic Aim of Education			
<p>I. To introduce basic knowledge on futures studies.</p> <p>II. To raise awareness and to foster positive attitude towards the future of humanities.</p> <p>III. To cultivate critical thinking skills with a foresight perspective.</p> <p>IV. To cultivate the ability to explore futures issues with interdisciplinary perspectives.</p> <p>V. To develop skills for spotting emerging issues.</p>			
Schoolwide essential virtues			
<p>A. A global perspective.</p> <p>B. Information literacy.</p> <p>C. A vision for the future.</p> <p>D. Moral integrity.</p> <p>E. Independent thinking.</p> <p>F. A cheerful attitude and healthy lifestyle.</p> <p>G. A spirit of teamwork and dedication.</p> <p>H. A sense of aesthetic appreciation.</p>			
Course Introduction	<p>The main trend, issues and solutions of selected themes from two global landmark forum--the Rio+ (2012) and United Nation Climate Change Conference (COP21) on the future of environment will be introduced in this general course. Working in groups, students will identify what they already know, what they need to know, and how and where to access new information that may lead to achieve a sustainable future.</p>		

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 understanding of global challenges in the future such as climate change, food security, natural resources, and explore a verity of solutions and practices for these issues.	C4	ACD

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Students will have a clear understanding of global challenges in the future such as climate change, food security, natural resources, and explore a verity of solutions and practices for these issues.	Lecture, Discussion, Practicum, Problem solving	Written test, Report

Course Schedule

Week	Date	Subject/Topics	Note
1	105/02/15 ~ 105/02/21	Themes on Our Futures: Food, Energy and Water Resources, Biodiversity, Sustainable Cities	
2	105/02/22 ~ 105/02/28	Trends and Archiving A Sustainable Future	
3	105/02/29 ~ 105/03/06	Theme 1:Food—Food Security and Health Food	
4	105/03/07 ~ 105/03/13	Issues on Eco-farming, Agriculture and Aquaculture	

5	105/03/14 ~ 105/03/20	Solutions and Practices on Food Future	
6	105/03/21 ~ 105/03/27	Theme 2: Energy and Water Resources-- Facts and Status	
7	105/03/28 ~ 105/04/03	Issues on Renewable Energy and Water Resource	
8	105/04/04 ~ 105/04/10	No Class	Children's Day Holiday
9	105/04/11 ~ 105/04/17	Innovative Solutions on Energy and Water Resource in the Future	
10	105/04/18 ~ 105/04/24	Midterm Exam Week	
11	105/04/25 ~ 105/05/01	Theme 3: Biodiversity-- Facts and Status	
12	105/05/02 ~ 105/05/08	Issues on Ecological Service	
13	105/05/09 ~ 105/05/15	Field trip	
14	105/05/16 ~ 105/05/22	Solutions and Practices on Biodiversity in the Future	
15	105/05/23 ~ 105/05/29	Theme 4: Sustainable Cities-- Facts and Status	
16	105/05/30 ~ 105/06/05	Issues on Sustainable Cities ans Case Studies	
17	105/06/06 ~ 105/06/12	Design A Sustainable City in the Future; Warp Up	
18	105/06/13 ~ 105/06/19	Final Exam Week	
Requirement	<p>1.Cheating and Plagiarism will receive zero on the task(s) 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. 3. Any leave excuse shall be communicated to the instructor in person PRIOR to classes.</p>		
Teaching Facility	Computer, Projector		
Textbook(s)	Online resources to be announced		
Reference(s)			
Number of Assignment(s)	2 (Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : % ◆ Mark of Usual : 20.0 % ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other < Assignments > : 20.0 %</p>		

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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