

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

Course Title	FUTURES STUDIES IN ENVIRONMENT	Instructor	
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	Environmental pollution and ecological destroy are increasingly severe. All the countries are paying more attention to environmental and ecological protection. The concept of ‘sustainable development’ has deeply taken root into people’ s mind. Therefore, in this course, we will thematically discuss ecology, population, food and water resources, minerals and energy, air, water environment and waste, transportation, natural resources, regional environment, noise, etc..so as to arouse the students' consciousness upon the green earth.		

## 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-Characterizing, 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	Through this course, the student will understand and become familiar with the following themes: ecology, population, food and water resources etc.	C2	ACE
2	We will discuss about the following points: 1. Why these themes are important? 2. When these themes become important, their past, present and future? 3. What need to do when we know all these themes? 4. What kind of moves that other countries have adopted upon these environmental related themes?	C4	ACE

### Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Through this course, the student will understand and become familiar with the following themes: ecology, population, food and water resources etc.	Lecture, Discussion	Written test, Report, Participation

2	<p>We will discuss about the following points:</p> <ol style="list-style-type: none"> <li>1. Why these themes are important?</li> <li>2. When these themes become important, their past, present and future?</li> <li>3. What need to do when we know all these themes?</li> <li>4. What kind of moves that other countries have adopted upon these environmental related themes?</li> </ol>	Lecture, Discussion	Written test, Report, Participation
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#### Course Schedule

Week	Date	Subject/Topics	Note
1	108/02/18 ~ 108/02/24	Introduction	<ul style="list-style-type: none"> <li>• Become familiar with course objectives and expectations.</li> <li>• Introduce yourself to your classmates.</li> </ul>
2	108/02/25 ~ 108/03/03	228 Peace Memorial Day	No class
3	108/03/04 ~ 108/03/10	Ecology	
4	108/03/11 ~ 108/03/17	Population	
5	108/03/18 ~ 108/03/24	Food and Water	
6	108/03/25 ~ 108/03/31	Mineral and Energy	
7	108/04/01 ~ 108/04/07	4/4 Children's day 4/5 Tomb Sweeping Day	No class
8	108/04/08 ~ 108/04/14	Air	
9	108/04/15 ~ 108/04/21	Review	
10	108/04/22 ~ 108/04/28	Midterm Exam Week	
11	108/04/29 ~ 108/05/05	Water Environment and Waste	
12	108/05/06 ~ 108/05/12	Transportation	
13	108/05/13 ~ 108/05/19	Natural Resources	
14	108/05/20 ~ 108/05/26	Regional Environment	
15	108/05/27 ~ 108/06/02	Noise	
16	108/06/03 ~ 108/06/09	Technology	

17	108/06/10 ~ 108/06/16	Review	
18	108/06/17 ~ 108/06/23	Final Exam Week	
Requirement	<p>In this course, the students need to report upon future environment related topics. The presentation should include the following elements:</p> <ol style="list-style-type: none"> <li>1. Why is this topic important?</li> <li>2. When does this topic become important? past, present and future</li> <li>3. What measures need to be taken?</li> <li>4. What kind of measures have other countries taken?</li> <li>5. What kind of measures have Taiwan taken?</li> <li>6. In order to solve the problem, what will you propose?</li> </ol>		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)			
Number of Assignment(s)	2 (Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : 20.0 %    ◆ Mark of Usual :       %    ◆ Midterm Exam : 20.0 %</p> <p>◆ Final Exam : 30.0 %</p> <p>◆ Other 〈Theme analysis〉 : 30.0 %</p>		
Note	<p>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>.</p> <p><b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>		