## Tamkang University Academic Year 110, 1st Semester Course Syllabus

Course Title	Course Title EARTH'S ECOSYSTEMS AND ENVIRONMENT		CHEN-LING HUNG							
Course Class	Course Class GLOBAL TECHNOLOGY REVOLUTION, 0F		<ul> <li>General Course</li> <li>Required</li> <li>One Semester</li> </ul>							
Relevance to SDGs	SDG6 Clean water and sanitation									
Departmental Aim of Education										
Students will understand recent development of modern science and technology and its impact on human society and global environment. Through the design of course students will also be familiar with broadly-based fundamental technical knowledge and improve.										
Subject Schoolwide essential virtues										
<ol> <li>A global perspective. (ratio:70.00)</li> <li>Information literacy. (ratio:10.00)</li> <li>A vision for the future. (ratio:20.00)</li> </ol>										
Course Introduction	This course introduces students to the concepts of Earth's ec environmental science related to the spheres of the environn hydrosphere, atmosphere, and geosphere.									

	The	correspo		ourse's instructional objectives and th	e cognitive, affective,			
				<b>d psychomotor objectives.</b> ng the cognitive, affective and psychom	otor			
II.A <sup>.</sup>	the ffective : Emp mor sychomotor:	course's phasis up als, attitu	veracity, conception, pro on the study of various ude, conviction, values, e is upon the study of the	s kinds of knowledge in the cognition o ocedures, outcomes, etc. kinds of knowledge in the course's appe etc. course's physical activity and technical				
No.			objective methods					
i	ecosystems a	his course equips students with a breadth of knowledge of Earth's Cognitive cosystems and environmental science and an understanding of the nportance and role of human being in the spheres of the nvironment.						
	The c	correspond	lences of teaching objectives	: core competences, essential virtues, teaching n	nethods, and assessment			
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment			
1			123	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)			
				Course Schedule				
Week	Date		Cou	Note				
1	110/09/22~ 110/09/28	Introduction & course mechanics						
2	110/09/29~ 110/10/05	A basic overview of environmental science						
3	110/10/06~ 110/10/12	The Fiv	The Five Spheres of the Environment					
4	110/10/13 ~ 110/10/19	The Hy	The Hydrosphere					
5	110/10/20~ 110/10/26	Aquatic Ecosystem						
6	110/10/27 ~ 110/11/02	Water Pollutants and Water Pollution						
7	110/11/03~ 110/11/09	World Water Crisis and Climate Change						
8	110/11/10~ 110/11/16	Air Pollutants						
9	110/11/17~ 110/11/23	Midterm Exam Week						

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10	110/11/24~ 110/11/30	The Atmosphere						
11	110/12/01~ 110/12/07	The Geosphere Abstract submissi						
12	110/12/08 ~ 110/12/14	Soil: Earth's Lifeline						
13	110/12/15~ 110/12/21	Forest Ecosystem						
14	110/12/22 ~ 110/12/28	Energy Resources						
15	110/12/29~ 111/01/04	Group Presentations						
16	111/01/05~ 111/01/11	Group Presentations						
17	111/01/12 ~ 111/01/18	Group Project Submission						
18	111/01/19~ 111/01/25	Group Project Submission						
Re	equirement							
Teaching Facility		Computer, Projector						
Textbooks and Teaching Materials		Environmental Science (16th) by G. Tyler Miller and Scott Spoolman, Boston, Massachusetts: National Geographic Learning and Cengage Learning.						
Number of Assignment(s)		10 (Filled in by assignment instructor only)						
Grading Policy		<ul> <li>♦ Attendance: 20.0 % ♦ Mark of Usual: 20.0 % ♦ Midterm Exam: 30.0 %</li> <li>♦ Final Exam: %</li> <li>♦ Other ⟨Group Project⟩: 30.0 %</li> </ul>						
	Note	This syllabus may be uploaded at the website of Course Syllabus Managemer <u>http://info.ais.tku.edu.tw/csp</u> or through the link of Course Syllabus Upload p home page of TKU Office of Academic Affairs at <u>http://www.acad.tku.edu.tw/</u> <b>※ Unauthorized photocopying is illegal. Using original textbooks is ac</b>	osted on CS/main.p	the <u>php</u> .				
		to improperly photocopy others' publications.						
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