Tamkang University Academic Year 113, 2nd Semester Course Syllabus

C T::1	EVALORING THE HAIR FROM	.	TSAO CUING TANG			
Course Title	EXPLORING THE UNIVERSE	Instructor	TSAO, CHING-TANG			
Course Class	TNUUBOA NATURAL SCIENCES, OA Details • General Course • Required • One Semester • 2 Credits					
Relevance to SDGs	SDG4 Quality education					
	Departmental Aim of Educ	ation				
impact of sc	g natural laws and studying scientific methods, to let students un ience and technology on human life, and to cultivate in them th tly, and to discover, analyse and solve problems. Also, throu.					
	Subject Schoolwide essential virtues					
1. A globa	l perspective. (ratio:10.00)					
2. Informa	tion literacy. (ratio:30.00)					
3. A vision	for the future. (ratio:10.00)					
4. Moral ir	ntegrity. (ratio:5.00)					
5. Indeper	ndent thinking. (ratio:30.00)					
6. A cheer	ful attitude and healthy lifestyle. (ratio:5.00)					
7. A spirit	of teamwork and dedication. (ratio:5.00)					
8. A sense	of aesthetic appreciation. (ratio:5.00)					
Course Introduction	This course provides a basic introduction to the structure of with the solar system, including our Earth and other planets and death of a star, with our Sun as an example, will come ne explore the evolution of the Milky Way and other galaxies, at the large-scale structure of our universe. Finally, we shall also theory which describes how the universe began.	and satellites. ext. We shall that how they co	The life nen onstitute			

The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive: Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II. Affective: Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.			objective methods			
1	1 Exploring t2 Understan3 Evolution o4 Large-scale	ding life of the gal e structu	Cognitive			
	5 Big Bang t	•	lamana aftanahina ahinatina		the de and assessment	
No.	Core Compe		Essential Virtues	core competences, essential virtues, teaching me Teaching Methods	Assessment	
1			12345678	Lecture, Discussion	Testing	
				Course Schedule		
Wee	k Date		Cou	rse Contents	Note	
1	114/02/17 ~ 114/02/23	Course introduction				
2	114/02/24 ~ 114/03/02	Night sky and legends (I)				
3	114/03/03 ~ 114/03/09	Night sky and legends (II)				
4	114/03/10 ~ 114/03/16	Terrestrial planets (I)				
5	114/03/17 ~ 114/03/23	Terrestrial planets (II)				
6	114/03/24 ~ 114/03/30	Jovian planets (I)				
7	114/03/31 ~ 114/04/06	Jovian planets (II)				
8	114/04/07 ~ 114/04/13	Small bodies in the Solar system (I)				
9	114/04/14 ~ 114/04/20	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)				
10	114/04/21 ~ 114/04/27	Small bodies in the Solar system (II)				

11	114/04/28 ~ 114/05/04	The Sun
12	114/05/05 ~ 114/05/11	Life and death of a star
13	114/05/12 ~ 114/05/18	The Milky Way
14 114/05/19 ~ 114/05/25		Galaxies
15	114/05/26 ~ 114/06/01	Large-scale structure of the Universe
16	114/06/02 ~ 114/06/08	The Big Bang
17	114/06/09 ~ 114/06/15	Final Exam/Final Assessment Week (teachers can adjust the week as needed)
18	114/06/16 ~ 114/06/22	Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options.
Key	capabilities	
Inte	erdisciplinary	
	Distinctive teaching	
Cou	urse Content	Logical Thinking
Re	quirement	
	oks and ng Materials	Self-made teaching materials:Handouts
R	eferences	"Cosmos" by Carl Sagan 2. "Cosmology" by Edward Harrison 3. "Foundation of Astronomy" by Michael Seeds
Grading Policy		 ↑ Attendance: %

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 .
	W Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.

TNUUB0S0362 0A Page:4/4 2024/12/9 15:11:04