Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title	A VOYAGE TO SCIENCE	Instructor	WU, JUNYI
Course Class	TNUUBOB NATURAL SCIENCES, 0B	Details	◆ General Course ◆ Required ◆ One Semester
Relevance to SDGs	SDG4 Quality education		
	Departmental Aim of Educ	ation	
impact of so	g natural laws and studying scientific methods, to let students un ience and technology on human life, and to cultivate in them th otly, and to discover, analyse and solve problems. Also, throu.		nk
	Subject Schoolwide essential virtues		
	ol perspective. (ratio:50.00) Indent thinking. (ratio:50.00)		
Course Introduction	Science is not just about nature. It is a dialog between human Motivated by curiosity, scientists have been asking their questheir way, i.e. experiments, and interpreting the answer of na In this course, one will see how our scientific view of nature he through the whole history of human beings. Such a historica scientific principle will then help us to understand the current science and technology, and foresee their future.	stions to natur ture with their as been built I review of the	re in theory. up

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.

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itive					
Understand the current science and technology Affective					
The correspondences of teaching objectives: core competences, essential virtues, teaching methods, and assessment					
Assessment					
ncluding oral and					
ncluding oral and					
Course Schedule					
Note					
abus is subject ges.					
"See, that is what I SAW" Euclid, Alhazen and Brunelleschi					
Twinkle, twinkle, little star, how I wonder WHEN we are?					
Twinkle, twinkle, little star, how I wonder WHERE we are? Copernicus, Tycho and Kepler					
"May the FORCE be with you!" - Galileo, Leibniz and Newton					
"Let us shed some light on the LIGHT." Newton and Huygens					
A revolutionary bath in THERMODYNAMICS.					
And God said "E+M" Coulomb, Ampere, Faraday and Maxwell					

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9	111/04/18 ~ 111/04/22	A war for POWER: the current war Edison v.s. Tesla		
10	111/04/25 ~ 111/04/29	Midterm Exam Week		
11	111/05/02 ~ 111/05/06	"Oops, my watch is RELATIVELY slow!" Einstein		
12	111/05/09 ~ 111/05/13	Sport time: the LIVE golf on the moon.		
13	111/05/16 ~ 111/05/20	A new grammar: QUATNUM		
14	111/05/23 ~ 111/05/27	"It is time for a game, the imitation game." Alan Turing		
15	111/05/30 ~ 111/06/03	"Ketchup or Mayo?" "No, SEMICONDUCTORs on chips, please!"		
16	111/06/06 ~ 111/06/10	Computing in the quantum world.		
17	111/06/13 ~ 111/06/17	Quantum Information and the future		
18	111/06/20 ~ 111/06/24	Final Exam Week		
Requirement		Curiosity		
Teaching Facility		Computer, Other (Whiteboard/Blackboard)		
Textbooks and Teaching Materials		The slides of the lecture will be shared online.		
References				
Number of Assignment(s)		(Filled in by assignment instructor only)		
Grading Policy Attendance: 15.0 % ★ Mark of Final Exam: 30.0 % Other ⟨Written report⟩: 30.0 %		◆ Final Exam: 30.0 %		
	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 Note 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.			

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