

Tamkang University Academic Year 106, 1st Semester Course Syllabus

Course Title	THEORY AND PRACTICE OF EDUCATIONAL TECHNOLOGY	Instructor	LEE SHIH-CHUNG
Course Class	TGDHB0A HONORS PROGRAM, 0A	Details	<ul style="list-style-type: none"> ◆ Required ◆ One Semester ◆ 2 Credits
D e p a r t m e n t a l A i m o f E d u c a t i o n			
<p>I . Cultivating the talents with the capabilities of educational research and discourse.</p> <p>II . Cultivating the talents with the capabilities of understanding and application of education related theories.</p> <p>III . Cultivating the talents with the capabilities of educational practice and service.</p>			
D e p a r t m e n t a l c o r e c o m p e t e n c e s			
<p>A. Education research and discourse capabilities.</p> <p>B. Understanding and application of related education theories capability.</p> <p>C. Educational practice and service capabilities.</p>			
Course Introduction	<p>The purpose of this course is to apply theory of Instructional technology for technology-based training program. Training environment, training methods, training app and new training technology are incorporated for mobile training environment.</p>		

The Relevance among Teaching Objectives, Objective Levels and Departmental core competences

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 Departmental core competences :

- (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 Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time. (For example, if one objective corresponds to three Departmental core competences: A, AD, and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Departmental core competences
1	Analyze theories of instructional methods and strategies	C4	AB
2	Categorize and apply instructional methods with learning app.	C3	BC
3	Design and develop training environment.	P6	BC

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Analyze theories of instructional methods and strategies	Lecture	Report
2	Categorize and apply instructional methods with learning app.	Lecture, Discussion, Problem solving	Report
3	Design and develop training environment.	Lecture, Discussion, Problem solving	Report

This course has been designed to cultivate the following essential qualities in TKU students

Essential Qualities of TKU Students	Description
◇ A global perspective	Helping students develop a broader perspective from which to understand international affairs and global development.
◆ Information literacy	Becoming adept at using information technology and learning the proper way to process information.
◇ A vision for the future	Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.
◇ Moral integrity	Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.
◆ Independent thinking	Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.
◇ A cheerful attitude and healthy lifestyle	Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.
◆ A spirit of teamwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.
◆ A sense of aesthetic appreciation	Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.

Course Schedule

Week	Date	Subject/Topics	Note
1	106/09/18~ 106/09/24	Introduction, group assignment, software operation	
2	106/09/25~ 106/10/01	Educational Technology: history and trends	
3	106/10/02~ 106/10/08	Educational Technology: system view and future development	
4	106/10/09~ 106/10/15	Educational Technology: learning theory	
5	106/10/16~ 106/10/22	Educational Technology: instructional strategy	
6	106/10/23~ 106/10/29	Educational Technology: instructional strategy and mobile app	
7	106/10/30~ 106/11/05	Educational Technology: learning resources	
8	106/11/06~ 106/11/12	Educational Technology: learning environment design	
9	106/11/13~ 106/11/19	Educational Technology: learning environment development	
10	106/11/20~ 106/11/26	Midterm Exam Week	
11	106/11/27~ 106/12/03	Courseware design: media selection	

12	106/12/04 ~ 106/12/10	Courseware design: digital storytelling	
13	106/12/11 ~ 106/12/17	Courseware design: message design	
14	106/12/18 ~ 106/12/24	Courseware design: interaction design	
15	106/12/25 ~ 106/12/31	Courseware design: prototype evaluation	
16	107/01/01 ~ 107/01/07	Educational Technology: presentation tools	
17	107/01/08 ~ 107/01/14	Demonstration and evaluation	
18	107/01/15 ~ 107/01/21	Final Exam Week	
Requirement			
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)	Use iPads and other cutting-edge technology to strengthen your instruction Teach like Pirate: increase student engagement, boost your creativity, and transform your life as an educator		
Number of Assignment(s)	7 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 10.0 % ◆ Mark of Usual : 60.0 % ◆ Midterm Exam : 15.0 % ◆ Final Exam : 15.0 % ◆ Other < > : %		
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 . ※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.		