Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	SEMINAR ON TECHNOLOGY APPLICATION IN LEARNING	Instructor	SHENG-SHIANG TSENG
Course Class	TDIXM1A MASTER'S PROGRAM, GRADUATE INSTITUTE OF CURRICULUM AND INSTRUCTION, 1A	Details	◆ Distance Learning Course ◆ Selective ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education		

Departmental Aim of Education

Preparing curriculum and instruction researchers and practitioners with global perspectives and local commitments.

Subject Departmental core competences

A. To develop the competences below with the global perspectives and with the domestic care : I. Competence in curriculum development: Focusing on the global perspectives with the domestic care and cultivating the abilities of curriculum, inclusive of the theories, designing, developing, implementing and evaluating.(ratio:20.00)

B. II. Competence in teaching : Focusing on the global perspectives with the domestic care and cultivating the abilities of teaching, including the theories, designing, evaluating, giving learning diagnosis, and utilizing learning methods and strategies.(ratio:20.00)

C. III. Competence in leadership : Focusing on the global perspectives with the domestic care and cultivating the abilities of curriculum management, pedagogical leadership and teacher professional development.(ratio:10.00)

D. IV. Competence in researching : Focusing on the global perspectives with the domestic care and cultivating the abilities of researching the topics spanning curriculum, instruction, learning, classes, and issues.(ratio:10.00)

E. V. Competence in innovation : Focusing on the global perspectives with the domestic care and cultivating the abilities not only to innovate the curriculum and teaching methods but to inaugurate new ones.(ratio:20.00)

F. VI. Competence in practicing : Focusing on the global perspectives with the domestic care and cultivating the abilities of practicing through the professional practice of curriculum and instruction, the service-learning of professional competence and thematic discussion of the practice.(ratio:20.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)

2. Information literacy. (ratio:20.00)

3. A vision for the future. (ratio:20.00)

4. Moral integrity. (ratio:10.00)

5. Independent thinking. (ratio:20.00)

6. A cheerful attitude and healthy lifestyle. (ratio:10.00)

7. A spirit of teamwork and dedication. (ratio:10.00)

Course Introduction	This course provides an introduction to educational design and research and how technology can be used as an important resource in teaching and learning. Students will be provided opportunities to review, interpret, and discuss the use of technology in classroom.

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.	Teaching Objectives	objective methods
1	Recognize essential themes and trends in instruction design and technology	Cognitive
2	Apply technologies to learning and teaching	Cognitive
3	Evaluate technology for professional development in instructional technology design	Cognitive
4	Design technology integration practices in learning	Psychomotor
5	Develop collaborative learning skills	Psychomotor

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment

1	AD	123	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Activity Participation
2	BCDEF	1234567	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Activity Participation
3	ACDEF	34567	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation
4	BC	3567	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation
5	C	7	Discussion	Discussion(including classroom and online)

Course Schedule

Note for Distance Learning Course : Please clearly indicate synchronous and asynchronous courses.

Week	Date	Course Contents	Note
1	110/02/22 ~ 110/02/28	Course Introduction	Onsite meeting at ED305
2	110/03/01 ~ 110/03/07	Instructional technology introduction	Onsite meeting at ED305
3	110/03/08 ~ 110/03/14	Text Annotation tool	asynchronous course
4	110/03/15 ~ 110/03/21	Video Annotation tool	asynchronous course
5	110/03/22 ~ 110/03/28	Concept mapping tool	asynchronous course
6	110/03/29 ~ 110/04/04	Teaching observation week	
7	110/04/05 ~ 110/04/11	WebQuest	asynchronous course
8	110/04/12 ~ 110/04/18	Distance learning	asynchronous course
9	110/04/19 ~ 110/04/25	Mid-term presentation	Synchronous course
10	110/04/26 ~ 110/05/02	The mid-term exam week	
11	110/05/03 ~ 110/05/09	Personal sharing of online learning experiences	Onsite meeting at ED305
12	110/05/10 ~ 110/05/16	Moocs	asynchronous course

13	110/05/17 ~ 110/05/23	Blended learning/Flipped classroom	asynchronous course
14	110/05/24 ~ 110/05/30	Gaming	asynchronous course
15	110/05/31 ~ 110/06/06	Augmented Reality/Virtual Reality	asynchronous course
16	110/06/07 ~ 110/06/13	Trends and Issues in Educational technology	asynchronous course
17	110/06/14 ~ 110/06/20	Final project presentation	Synchronous course
18	110/06/21 ~ 110/06/27	Final exam	

Requirement	Please do join the first class in week 1. Email me at u9241346@gmail.com for questions or appointments. Grading details: Online learning activities (30%): watching course videos, writing summaries, writing reflections, or responding to peers' work. Complete all the activities (30 points), Complete 2/3 activities (20 points), Complete 1/3 activities (10 points), Complete 0/3 activities (0 points). Midterm project: Review of an technology tool (30%). The review includes the following sections: Introduction of the tool, features of the tool, and analysis of the pros and cons of the tool. Details will be provided in the midterm in Moodle. Final project: Design a lesson plan integrated with technology (30%): The lesson plan should include the level of the students, content subject, and the learning activities integrated with technology. Personal learning websites (10%): 1) Self-introduction: Describe your teaching area, research interesting, and things you would like to share in 100 words. And a portrait. 2) Course reflection: Pick up 3 topics of interest to you and write the reflections. 3) Sample of midterm and final project: Post midterm and final projects
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	Will be announced in class
References	
Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance：　　　% ◆ Mark of Usual：30.0 % ◆ Midterm Exam： 30.0 % ◆ Final Exam： 30.0 % ◆ Other〈Personal website〉：10.0 %

Note	1. This syllabus may be uploaded at the website of the Course Syllabus Management System at https://info.ais.tku.edu.tw/csp or through the link of the Course Syllabus Upload posted on the home page of the TKU Office of Academic Affairs http://www.acad.tku.edu.tw/CS/main.php
	2. According to the Implementation regulations of distance education for junior college and above are prescribed pursuant to Article 2, "The distance learning course referred to in these Measures refers to more than one-half of the teaching hours in each subject."
	3. According to the regulations of Tamkang University Enforcement Rules for digital teaching, Paragraph 2 and Article 3, the distance learning course of our school must be "The course of digital teaching with distance learning platform or synchronous video system in our school. Teaching Hours include course lectures, teacher-student interaction discussions, quizzes and other learning activities."
	4. If there are any temporary course changes (including time changes and classroom changes of distance learning courses, blended courses), please make out an application according to regulations to the Office of Academic Affairs.
	※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.