

## Tamkang University Academic Year 105, 2nd Semester Course Syllabus

Course Title	SEMINAR ON TECHNOLOGY APPLICATION IN LEARNING	Instructor	CHUN-YI LIN
Course Class	TDIXM1A MASTER'S PROGRAM, GRADUATE INSTITUTE OF CURRICULUM AND INSTRUCTION, 1A	Details	<ul style="list-style-type: none"> <li>◆ Selective</li> <li>◆ One Semester</li> <li>◆ 3 Credits</li> </ul>

### 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

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

### 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

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

Course Introduction	This course aims to investigate applications of emerging technologies from a global scale, and the practical ways to integrate them into local educational settings.
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**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-Aplying, C4-Analyzing, C5-Evaluating, C6-Creating  
(ii) Psychomotor Domain : P1-Imitation, P2-Mechanism, P3-Independent Operation, P4-Linked Operation, P5-Automation, P6-Origation  
(iii) Affective Domain : A1-Receiving, A2-Responding, A3-Valuing, A4-Organizing, A5-Charaterizing, 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	Explore various emerging technologies for learning	C2	E
2	Analyze the potentials and limitations of technologies for learning	C5	BC
3	Design effective technology uses for learner-centered paradigm of education	P6	ABF
4	Design research on effective technology integration for the learner-centered paradigm of education	C6	ADE
5	Be able to contribute ideas for class activities and develop leadership in collaborative learning	A6	C

**Teaching Objectives, Teaching Methods and Assessment**

No.	Teaching Objectives	Teaching Methods	Assessment
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1	Explore various emerging technologies for learning	Lecture, Discussion, Practicum, Problem solving	Practicum, Participation
2	Analyze the potentials and limitations of technologies for learning	Lecture, Discussion	Practicum, Participation
3	Design effective technology uses for learner-centered paradigm of education	Simulation, Practicum, Problem solving	Report, Participation
4	Design research on effective technology integration for the learner-centered paradigm of education	Lecture, Discussion, Problem solving	Report, Participation
5	Be able to contribute ideas for class activities and develop leadership in collaborative learning	Problem solving	Participation

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	106/02/13 ~ 106/02/19	Introduction	<online>
2	106/02/20 ~ 106/02/26	Digital natives. Changing roles of teachers, students, schools and society in the information age	<face-to-face>

3	106/02/27 ~ 106/03/05	Principles for effective technology integration (3E)	<online>
4	106/03/06 ~ 106/03/12	Content exploration tools	<online>
5	106/03/13 ~ 106/03/19	Production tools	<online>
6	106/03/20 ~ 106/03/26	Production tools (II) and mobile learning	<face-to-face>
7	106/03/27 ~ 106/04/02	Communication and collaboration	<online>
8	106/04/03 ~ 106/04/09	Spring Break	<<no class>>
9	106/04/10 ~ 106/04/16	Data collection and analysis tools & Assessment tools	<online>
10	106/04/17 ~ 106/04/23	(midterm exam week)	<<no class>>
11	106/04/24 ~ 106/04/30	Design workshop: application	<face-to-face>
12	106/05/01 ~ 106/05/07	Student presentations Project 1. Using Voice Thread.	<online>
13	106/05/08 ~ 106/05/14	Tagging and social bookmarking tools	<online>
14	106/05/15 ~ 106/05/21	Hot topic #1: MOOCs	<online>
15	106/05/22 ~ 106/05/28	Hot topic #2: Junyi platform	<face-to-face>
16	106/05/29 ~ 106/06/04	Hot topic #3: Facebook, social networking, and (not) learning; research outline	<online>
17	106/06/05 ~ 106/06/11	Student presentations Project 2. Using Voice Thread	<online>
18	106/06/12 ~ 106/06/18	(final exam week)	<<no class>>
Requirement	<p>1. For the face-to-face sessions, please arrive on time. If you are going to miss a class, please inform the instructor ahead of time and discuss how to catch up.</p> <p>2. For the online sessions, I will post suggestions for weekly learning activities on Moodle. Please complete your learning activities by Thursday or by an assigned date.</p> <p>3. Mid-term assignment (Project 1): Design effective use of technologies to support learner-centered paradigm of instruction. Or mini literature bibliography (5 articles)</p> <p>4. Final assignment (Project 2): Reflection paper. Or a technology research proposal: a detailed outline (3-5 pages)</p> <p>5. For the projects, students will use VoiceThread to record their presentations and post videos to our course platform (moodle).</p> <p>6. If you have any questions, please feel free to contact Chun-Yi. She can be reached by phone (#3566) or by email chunylin (at) gms.tku.edu.tw</p>		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)	A list of technology tools will be distributed and updated in class.		

Number of Assignment(s)	2 (Filled in by assignment instructor only)
Grading Policy	◆ Attendance : 20.0 %   ◆ Mark of Usual : 20.0 %   ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other ( ) : %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>