

## Tamkang University Academic Year 103, 2nd Semester Course Syllabus

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| Course Title   | SEMINAR ON TECHNOLOGY APPLICATION IN LEARNING  | Instructor | CHUN-YI LIN  |
| Course Class   | TDIXM1A<br>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  |  |            |  |
| <ul style="list-style-type: none"> <li>A. Ability to do research with global perspectives and local commitments.</li> <li>B. Ability to design and develop curricula with global perspectives and local commitments.</li> <li>C. Ability to do instructional design and implementation with global perspectives and local commitments.</li> <li>D. Ability to do curricular and instructional evaluations with global perspectives and local commitments.</li> <li>E. Ability to do curricular and instructional leadership with global perspectives and local commitments.</li> </ul> |  |            |  |
| 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-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   | Explore various emerging technologies for learning  | C2               | A                             |
| 2   | Analyze the potentials and limitations of technologies for learning                               | C5               | AD                            |
| 3   | Design effective technology uses for learner-centered paradigm of education                       | P6               | BCD                           |
| 4   | Discuss how technologies may hinder learning and propose possible solutions                       | C6               | AC                            |
| 5   | Be able to contribute ideas for class activities and develop leadership in collaborative learning | A6               | E                             |

### Teaching Objectives, Teaching Methods and Assessment

| No. | Teaching Objectives   | Teaching Methods                                | Assessment               |
|-----|---|---|--------------------------|
| 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 | Discuss how technologies may hinder learning and propose possible solutions                       | Lecture, Discussion, Problem solving | 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    | 104/02/24 ~<br>104/03/01 | Introduction   |      |
| 2    | 104/03/02 ~<br>104/03/08 | Digital natives. What technologies do you use everyday?  |      |
| 3    | 104/03/09 ~<br>104/03/15 | Technology in classes (3e' s): efficiency, effectiveness, enhancement. Classroom technologies. |      |
| 4    | 104/03/16 ~<br>104/03/22 | Content exploration tools  |      |
| 5    | 104/03/23 ~<br>104/03/29 | Production tools   |      |
| 6    | 104/03/30 ~<br>104/04/05 | (spring break. no class)   |      |
| 7    | 104/04/06 ~<br>104/04/12 | Production tools and mobile learning   |      |
|      |                          |  |      |

|                         |   |   |                      |
|-------------------------|---|---|----------------------|
| 8                       | 104/04/13 ~<br>104/04/19  | Mobile learning (iPads, iPhones, Tablets, and handheld devices) | Bring mobile devices |
| 9                       | 104/04/20 ~<br>104/04/26  | Data collection and analysis tools & Assessment tools           |                      |
| 10                      | 104/04/27 ~<br>104/05/03  | (midterm exam week)   |                      |
| 11                      | 104/05/04 ~<br>104/05/10  | Communication and social bookmarking tools                      |                      |
| 12                      | 104/05/11 ~<br>104/05/17  | Student presentations Project 1                                 |                      |
| 13                      | 104/05/18 ~<br>104/05/24  | Dr. Miranda Lin's presentation (Illinois State University)      | 下午校外參訪 淡江中學          |
| 14                      | 104/05/25 ~<br>104/05/31  | Hot topic #1: MOOCs   |                      |
| 15                      | 104/06/01 ~<br>104/06/07  | Hot topic #2: Cyberbullying & sexting                           |                      |
| 16                      | 104/06/08 ~<br>104/06/14  | Hot topic #3: Facebook, social networking, and (not) learning   |                      |
| 17                      | 104/06/15 ~<br>104/06/21  | Student presentations Project 2                                 |                      |
| 18                      | 104/06/22 ~<br>104/06/28  | (final exam week)   |                      |
| Requirement             | <p>1. Please attend classes 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. Before each class, please be prepared for class discussions.</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. Students need to participate in an online platform, which will be announced in class, for collaboration and discussion.</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          | <p>◆ Attendance : 20.0 %    ◆ Mark of Usual : 20.0 %    ◆ Midterm Exam : 30.0 %</p> <p>◆ Final Exam : 30.0 %</p> <p>◆ Other ( ) : %</p>   |   |                      |

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| Note | <p>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> .</p> <p>※ <b>Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p> |
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