

# Teaching & Learning Methods and Techniques

Syllabus Number

9F204

Teacher Licence  
Subjects Requisites  
2 credit

YAMAMOTO Miki

## 1. Course Description

Based on the overall goal of "Method and technology for Education (including utilization of information equipment and teaching materials)" in the teacher's course core curriculum, this course is aimed to acquire basic knowledge and skills related to (1) educational methodology, (2) educational technology, (3) information equipment and teaching materials, necessary to foster the qualities and abilities required for children.

Specifically, in order to learn fundamental theories on educational methods and technologies, and to cultivate practical educational ability based on them, the practice of integration of guidance and assessment is developed within the class and various students will learn teaching method, assessment method, lesson form, teaching materials etc. empirically. For this reason, in this class, various types of classes such as discussion, pair work, and group work are adopted according to the theme of each time. In addition, students will tackle lesson design based on instructional design and consider how to effectively utilize ICT. Furthermore, LMS will be utilized as appropriate to encourage students themselves to learn autonomously.

## 2. Course Objectives

- (1) Students will be able to overview the theory and history of teaching methods and describe what they think about education.
- (2) Students will be able to understand the integration of teaching and evaluation and plan classes to motivate learning.
- (3) Students will be able to design lessons based on the concept of instructional design.
- (4) Students will be able to utilize ICT to develop learning instruction plans and teaching materials.
- (5) Students will be able to understand the co-creation of teacher and student learning and work on classes.

## 3. Grading Policy

- (1) Evaluation on learning portfolios (minutes papers, reports, etc. ) (40%)
  - ・Minutes Paper : return, share as needed throughout the class and provide feedback.
  - ・Report : evaluation and feedback using the rubric.
- (2) Evaluation in small tests and routine exam (30%)
  - ・answer explanation on LMS.
- (3) Evaluation for Exercises 1 to 7 in Lesson Design (30%)
  - ・evaluation and feedback using rubric.

## 4. Textbook and Reference

### Textbook

Tadashi Inagaki, Katsuaki Suzuki ed. "Instruction design lesson design manual for teachers Ver. 2"  
Kitaoji Shobo (2017) ISBN: 978-4762828836

### Reference

Ministry of Education

"Secondary course of study", "High school course of study"

※Class contents of each time will be showed on LMS. In addition, reference books will be introduced as needed.

## 5. Requirements(Assignments)

- ・ As an advance assignment for each session, prepare the textbook class range according to the instructions on the LMS, and then attend classes. (About 1 to 2 hours each)
- ・ As a 4th post-assignment, have your LMS solve the test questions in the test format. (About 1 hour)
- ・ As the 5th post-assignment, I will ask you to work on the report task and its evaluation. (About 3 to 5 hours)
- ・ Complete the exercises for each round as the 8th to 14th post-assignment. (About 1 hour each)
- ・ Improve your learning by looking back on the Minute Papers and Reflection Sheets. (About 30 minutes each)

## 6. Note

- ・ Be sure to attend the 1st guidance, as it explains the outline of the class, how to proceed, and the evaluation method.
- ・ Use personal computers and software such as document creation and spreadsheets to create learning tasks.
- ・ Coming late is strictly prohibited. Participation in the middle of a class may be annoying for other students and may not be able to participate in group work. Please do not hesitate to offer if you need a special response (disease, injury, disability, etc.).

## 7. Schedule

- [1] Introduction  
It will be explained outline of class, how to proceed, evaluation method.  
Learn about concepts related to teaching methods and techniques.
- [2] Learn about the theory and history of teaching methods and investigate the latest trends.

- [3] Learn about the new academic outlook and curriculum (curriculum).
- [4] Learn about instructional design (ID).
- [5] Learn empirically about lesson design that motivates learning.
  - small test (range of the first-fourth)
  - open-ended task (present the rubric in advance)
- [6] Learn empirically about the design of collaborative learning.
  - evaluation and feedback of the 5th task using rubrics
- [7] Learn about ICT use and information education.
  - examination of class planning
- [8] Learn through exercises about setting and clarifying learning objectives.
  - Exercise 1 : making an lesson plan book
- [9] Learn through exercises about what to teach-how to study teaching materials.
  - Exercise 2 : creating Exercise Analysis Chart
- [10] Learn about how to teach-how to write a teaching plan-through exercises.
  - Exercise 3 : development of learning teaching plan
- [11] Learn through exercises about checking and reflecting on learning instruction plans.
  - Exercise 4 : improvement of learning teaching plan
- [12] Learn through exercises about integration of goals, guidance and evaluation.
  - Exercise 5 : development of Evaluation Plan · Examination of open-ended task
- [13] Learn through exercises about practice of the evaluation method according to the goal.
  - Exercise 6 : creation of learning task and rubric
- [14] Learn through exercises about learning tasks and rubric evaluation, reflection.
  - Exercise 7 : evaluation and feedback using the rubric
- [15] Exam and exam feedback, lesson reflection
  - submission of exercise tasks (1 to 7) for lesson design