

1. Course Code

2251

2. Course Title

Tankyu Practice

3. Teacher

SUMITANI, Toshiki

4. Term

Fall 1

5. Course Overview and Objectives

This course will cover the concept and process of “Tankyu Practice”, which is the basis of the whole ICT innovator program. Students will identify social issues in developing countries, build possible solutions, verify them from three perspectives, and make presentations on the solution ideas in group work settings.

6. Course Goals (Attainment Targets)

- (1) Identify social issues.
- (2) Understand own strengths.
- (3) Find Tankyu themes.
- (4) Build solution hypothesis.
- (5) Verify the value of the solution by conducting interviews.
- (6) Verify the originality of the solution by conducting case research.
- (7) Verify the budget balance by conducting financial simulation.
- (8) Make presentation, explaining the verified solution.

7. Correspondence relationship between Educational goals and Course goals

Educational goals of the school			Course Goals
High level ICT skills	Basic academic skills		
	Specialized knowledge and literacy		
Human skill (Tankyu skill)	Ability to continually improve own strengths		(2)
	Ability to discover and resolve the problem in society	Problem setting	(1)(3)
		Hypothesis planning	(4)
		Hypothesis testing	(5)(6)(7)
		Practice	(8)
	Fundamental Competencies for Working Persons	Ability to step forward	(1)(3)(4)
		Ability to think through	(5)(6)(7)(8)
		Ability to work in a team	(4)(5)(6)(7)(8)
Professional ethics			(1)(3)(4)

8. Course Requirements (Courses / Knowledge prerequisite for this course)

None.

9. Textbooks (Required Books for this course)

None. Materials will be distributed through the Moodle.

10. Reference Books (optional books for further study)

(Only in Japanese. Toshiki Sumitani "Tankyu Method for Social Innovation" Kindle version)

11. Evaluation

Goals	Evaluation method & point allocation					
	examination	Quiz	Reports	Presentation	Deliverables	Other
(1)			○		○	
(2)			○		○	
(3)			○		○	
(4)			○		○	
(5)			○		○	
(6)			○		○	
(7)			○		○	
(8)				○		
Allocation			30	30	40	

12. Notes

Some assignments, including interviews should be carried out outside classes.
Materials used in class, assignments and worksheets will be distributed through the Moodle.

Assignment outputs should be summarized and delivered with worksheets.
Bring your network-connected PC to the classroom.

13. Course plan

(Notice) This plan is tentative and might be changed at the time of delivery

Lesson 1: What is "Tankyu Practice"? (lecture, 90 min.)

In this lecture students will understand the basic concept of "Tankyu Practice" and its significance to their research and works in society.

- Introduction to "Tankyu Practice"
- The objective and evaluation of the class
- Real cases of "Tankyu Practice"

Lesson 2: Identifying issues #1: From your own experience

(lecture and group work, 90min.)

Students will list up possible issues they are interested in based on their own experience.

- Introduction to "Identifying Issues"
 - Making your own "Lifecycle Chart"
 - Interviewing each other
 - List up possible issues (individual work)
 - Assignments for the next class
-

Lesson 3: Identifying issues#2: Broadening Issue List

(lecture and individual work, 90min.)

Students will increase the list of possible issues from other perspectives.

- Identifying issues from social trend and by interviewing people
- Identifying issues by researching case examples utilizing ICT
- Broadening the issue list

Lesson 4: Identifying issues#3: Narrowing down Issue List

(lecture and individual work, 90min.)

Students will narrow down the issue list to 2 or 3 candidates by evaluating the significance of issues.

- Evaluating the significance of issues
- Narrowing down the issue list
- Assignments for the next class

Lesson 5: Identifying issues#4: Sharing of issues and forming groups

(group work, 90min.)

Students will share issues they are interested in and form groups by common interests.

- Sharing of issues interested in
- Forming groups with common interests

Lesson 6: Building solution hypothesis

(lecture and group work, 90min.)

Students will build solution hypothesis using "Tankyu Chart"

- Building awareness of issues
- Idea generation
- Summarizing thoughts into "Tankyu Chart"
- Assignments for the next class

Lesson 7: Hypothesis verification #1-1: Customer satisfaction

(lecture and group work, 90min.)

Students will understand the importance of customer perspective to the solution

- Presentation of solution hypothesis by each group
 - Introduction of Hypothesis verification: Customer satisfaction perspective
 - Identifying people relevant to the service
-

Lesson 8:Hypothesis verification #1-2: Interviewing

(lecture and group work, 90min.)

Students will develop interview questions to verify their hypothesis.

- Introduction to interviewing
- Developing questions for interviews
- Interview assignment

Lesson9 : Hypothesis verification #2-1: Originality and Competitiveness

(lecture and group work, 90min.)

Students will understand the importance of originality and competitiveness.

- Discussing implications of interview results
- Verification process from “originality and competitiveness” perspective
- A case example

Lesson10 : Hypothesis verification #2-2: Building originality and Competitiveness

(group work, 90min.)

Students will develop ideas of originality and competitiveness of their hypothesis.

- Research about relevant case examples
- Developing ideas of originality and competitiveness
- Assignments for the next class: Verification of hypothesis

Lesson11 :Hypothesis verification #3-1: Budget balance

(lecture and group work, 90min.)

Students will understand the importance of budget balance

- Discussing the implication of verification of hypothesis
- Verification process from “budget balance” perspective
- Case example of financial simulation

Lesson12 :Hypothesis verification #3-2: Financial Simulation (group work, 90min.)

Students will conduct financial simulation to verify budget balance of their hypothesis

- Conducting financial simulation using template spread sheets
 - Identifying other points of verification
 - Assignments for the next class
-

Lesson13 : Proposal #1: Developing presentation material (group work, 90min.)

Students will develop presentation material explaining their verified solution hypothesis.

- Discussing the implication of verification from three perspectives
- Developing presentation material
- Assignments for the next class: Preparing for presentation

Lesson14 :Proposal #2: Presentation (group work, 90min.)

Students will deliver the presentation with clarity and impact.

- Presentation by group members
- Feedback from professors

Lesson15 :Reflection (lecture and individual work, 90min.)

Students will reflect on what they have learned in this class

- Reflection session
 - Assignments of the reflection report
-