

**1. Course Code**

2253

**2. Course Title**

T13e: Specific Theme Study B

**3. Teacher**

A member of faculty,

**4. Term**

Fall 1 - Spring 3

**5. Course Overview and Objectives****1. To acquire the Tankyu practice skills**

Using the Tankyu practice framework and based on the knowledge & skills learned in Specific Theme Study A, students work on their research project to design and implement the proposed system. Finally, the result is summarized as master's thesis and is presented in the final presentation.

**2. To acquire the advanced professional skills**

This course is taught in a participatory style in small groups and with individualized guidance, tailored to individual requirements, to balance the effect of classroom lectures that sometimes tend to be taught in a one-way manner. The objective is to enhance the advanced professional skills of each student.

**3. Improvement of human skills**

Continued from "Specific Theme Study A", various human skills required by the society, like communication, common sense behavior, proper word usage, presentations, writing etc. will be improved.

**6. Course Goals (Attainment Targets)**

- (1) Identify a social issue to solve and propose a solution for it utilizing ICT.
- (2) Acquire advanced professional skills which are necessary to implement the solution.
- (3) Improve the human skills that the real world demands.
- (4)
- (5)
- (6)

**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		(1) (2)
Human skill (Tankyu skill)	Ability to continually improve own strengths		(1) (3)
	Ability to discover and resolve the problem in society	Problem setting	(1)
		Hypothesis planning	(1)
		Hypothesis testing	(1)
		Practice	(1)
	Fundamental Competencies for Working Persons	Ability to step forward	(1) (3)
		Ability to think through	(1) (3)
		Ability to work in a team	(3)
Professional ethics			(2)

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

Specific Theme Study A (2252)

**9. Textbooks (Required Books for this course)**

None

## 10. Reference Books (optional books for further study)

To be announced by your supervisor.

## 11. Evaluation

Goals	Evaluation method & point allocation					
	Examination	Quiz	Master's Thesis	Presentation	Research Activities	Other Activities
(1)			○	○	○	
(2)			○	○	○	○
(3)			○	○	○	○
(4)						
(5)						
(6)						
Allocation			30	30	30	10

## 12. Notes

Presentations at all seminars (research planning seminar, midterm evaluation presentation and final presentation) are required for successful completion of this course. At the completion judging meeting, your evaluation will be determined by all faculty members.

Attendance at the lab meetings is mandatory.

In case of absence, please notify your supervisor in advance.

The Ministry of Education requires more than 2/3 of lab meeting attendance to deliver the credit of STS-A/B.

## 13. Course plan

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

### (1) Research Activities (Teaching method)

Students enjoy personalized and collaborative learning experiences that includes supervision and support at all stages of the research activities. A range of seminars, workshops, and professional development opportunities will support them during their research journey. However, you should meet with your supervisor at least once a week. The meeting time of the course depends on each laboratory.

### (2) Research Planning Presentation

Presentation

In this presentation session, Students present their research topics and plans to perform in Specific Theme Study B. Through discussing with the faculty members, take the advice to improve your approach of the research project.

The seminar will be held in November. Details of the seminar will be announced in the Moodle.

### (3) Midterm Evaluation Presentation

Presentation

In this presentation session, Students present their progress and plan to complete their research activities. Through discussing with the faculty members, take the advice to complete the research project.

This seminar will be held in June. Details of the seminar will be announced in the Moodle.

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#### (4) Submission of Master's thesis and its abstract

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Students submit preliminary version of the Thesis and its abstract for review.

Based on comments and suggestions from the reviewer students update their Thesis and abstract.

The final version of the Thesis and its abstract are due in August.

Detailed process and deadline will be announced in the Moodle.

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#### (5) Final Presentation (Master's Thesis Seminar)

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Presentation

In this presentation session, students present their work and the outcome of their master's thesis.

The presentation shall include following contents

(1) Background and the social issue to be addressed by the research project.

(2) The proposed solution of the issue using ICT.

(3) The Evaluation and analysis of the Solution.

The seminar will be held in August. Details of the seminar will be announced in the Moodle.

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