

**1. Course Code**

2252

**2. Course Title**

T12e: Specific Theme Study A

**3. Teacher**

A member of faculty,

**4. Term**

Fall 3 - Spring 3 Note: Research activities will start after about two week of Lab assignment decision

**5. Course Overview and Objectives****1. Research activities**

This subject is taught in research activities. Students will have the opportunity of finding a research subject to pursue. The topic selected during this course will be continued in the 2nd year in "Specific Theme Study B".

**2. Improvement of basic academic skills and basic IT skills**

This subject 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 academic skills and basic IT skills of each student.

**3. Improvement of human skills**

In addition to academic skills, 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 prospective theme of research for the "Specific Theme Study B".
- (2) Acquire the academic and IT skills that are necessary for the research activities
- (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		(2)
	Specialized knowledge and literacy		
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	
		Practice	
	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)**

Tankyu Practice (2251)

**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	Reports	Presentation	Deliverables	Activities
(1)				○	○	○
(2)				○	○	○
(3)				○	○	○
(4)						
(5)						
(6)						
Allocation				40	30	30

## 12. Notes

This is a mandatory subject. All students are required to take it. Students who fail this subject cannot proceed to the 2nd year and not eligible to get "Certificates of Expected Graduation".

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) Assignment of Laboratory

1. Students will be assigned to a laboratory at the start of the course.
2. The assignments are determined as follows:
  - 2-1. The laboratories are introduced to the students
  - 2-2. Each student lists laboratories in their desired precedence order
  - 2-3. The assignments are decided considering this list, the students' study plan and research plan, and the capacity of each laboratory

### (2) 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.

### (3) Research Outcomes Presentation

Presentation

In this presentation session, students will present their activities and their outcomes of Specific Theme Study A

The presentation shall include following contents

- (1) Your activities with the Specific Theme Study A.
- (2) Your outcomes, contributions and future works.
- (3) Your Research Topic, including background and a social issue to solve for the research.  
(Use of "Tankyu Chart" is suggested)

The seminar will be held in July. Details of the seminar are announced in the Moodle. The presentation material should be submitted one week before the seminar.