1. Course Code

2209

2. Course Title

F70e: No Code ICT Application

3. Teacher

Koyabu, Yasushi

4. Term

Spring 1

5. Course Requirements (Courses / Knowledge for this course) and Important Information

2207 Introduction to Computer Software

6. Course Overview and Objectives

No Code Software development (software development without programming or with less programming) is expected to be used in many business areas in the future.
In this class, you will be able to learn the following points.
1) Acquisition of knowledge about the advantages and disadvantages of No Code software development and the characteristics of each development tools
2)Understanding the software development process using No Code tools
3) Learn how to use No Code tools practically through exercises
In The exercises, you will learn create method of Web pages and implement methods for performing CRUD operations on data by using No Code tools.

7. Course Outline

1 Outline of software development by using No Code tools
2 Exercise1 Making Web-site by No Code tool
3 Actual example of NO Code ICT utilization
4 Exercise2 Making Web-site by No Code tool （Data Operation）
5 Advantage and disadvantage of No Code software development
6 Exercise3 Development of SNS Apps 1
7 Overview of No Code software development
8 Exercise3 Development of SNS Apps 2
9 Exercise4 Linkage of Web page and smartphone Apps by using No Code tools-1
10 Exercise5 Linkage of Web page and smartphone Apps by using No Code tools-2
11 Exercise6 Utilizing Cloud Services with No Code tools
12 Final Exercise1
13 Final Exercise2
14 Final Exercise3
15 Presentation about outcome of final exercise and Wrap up of this course
16

8. Textbooks (Required Books for this course)

9. Reference Books (optional books for further study)

10. Course Goals (Attainment Targets)

(1) Explain what is No Code software development
(2) Identify suitable application software for No Code development
(3) Understand and explain the features of No Code development tools
(4) Plan the development process to utilize the No Code development tools
(5) Software development can be done by using No Code development tools
(6)
(7)
(8)

11. Correspondence relationship between Educational goals and Course goals

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

12. Evaluation

Goals	Evaluation method & point allocation					
	Examination	Quiz	Reports	Presentation	Deliverables	Other
(1)		○	○	○		
(2)		○	○	○		
(3)		○	○	○		
(4)				○	○	
(5)				○	○	
(6)						
(7)						
(8)						
Allocation		20	40	10	30	

13. Evaluation Criteria

Examination	
Quiz	Evaluate the level of understanding and application of the content implemented in each class. This is an open book exam, so no knowledge is required.
Reports	Evaluate that you can logically argue the consideration from your own point of view regarding the content of the knowledge explained in each class.
Presentation	Evaluate the specificity of the explanation of ingenuity regarding the process of carrying out the exercise
Deliverables	Completeness of documents and software set as tasks in each exercise It is even better if you have your own ingenuity for the tasks
Other	

14. Active Learning

Hourly percentage of active learning within the whole class time	60%

1	Active learning such as problem solving assignment using the knowledge and skills acquired in class.	All the time
2	Active learning such as group works and discussions.	All the time
3	Outcome presentations and feedbacks.	Sometimes
4	Students actively make decisions on how the class should be conducted.	Not at all

15. Notes

Necessary to make bliefly preparation before taking the class
(Will be informed for the participants in advance)

16. Course plan

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

Outline of software development by using No Code tools	Lecture/Discussion 90 min

What is No Code software development?
The meaning of No Code software development
The mechanism of No Code software development tools
Discussions : What point do you concider when you use No Code tools?

Exercise1 Making Web-site by No Code tool	Lecture/Exercise 90 min

Basic knowledge of No Code development tools operation
Exercise : Making of Web pages

Actual example of NO Code ICT utilization	Lecture/Discussion 90 min

Essential knowledge of software development by No Code tools
Introduction of popular development tools

Exercise2 Making Web-site by No Code tool （Data Operation）	Lecture/Exercise 90 min

Basic knowledge of No Code development tools operation
Exercise : Add a data hundling functions on Web Pages which was created in previous exercise

Advantage and disadvantage of No Code software development	Lecture/Discussion 90 min
Introduction of advantage points and disadvantage points of No Code programing tools from the business pespective	

Exercise3 Development of SNS Apps 1	Lecture/Exercise 90 min
Understanding of No Code sftware development method by makeing SNS mobile application	

Overview of No Code software development	Lecture/Exercise 90 min
Introduction of No Code software development proccess comparizon with conventional software development method	

Exercise3 Development of SNS Apps 2	Lecture/Exercise 90 min
Understanding of No Code sftware development method by makeing SNS mobile application	

Exercise4 Linkage of Web page and smartphone Apps by using No Code tools 1	Lecture/Exercise 90 min
Understanding of linkage method Web pages and mobile application by using No Code sftware development method	

Exercise5 Linkage of Web page and smartphone Apps by using No Code tools 2	Lecture/Exercise 90 min
Understanding of linkage method Web pages and mobile application by using No Code sftware development method	

Exercise6 Utilizing Cloud Services with No Code tools 1	Lecture/Exercise 90 min
Understanding of linkage method cloud AI engines and application by using No Code sftware development method	

Final Exercise1	Lecture/Exercise 90 min
Implementation of exercise software Basic design	

Final Exercise2	Lecture/Exercise 90 min

Implementation of exercise software
Development

Final Exercise3	Lecture/Exercise 90 min

Implementation of exercise software
Test & documentation

Presentation about outcome of final exercise and Wrap up of this course	Lecture/Exercise 90 min

Presentation of the delivarables of final exercise
Wrap up of essential points of this course