

1. Course Code

2209

2. Course Title

F7e:No Code ICT Application

3. Teacher

Koyabu, Yasushi

4. Term

Spring 1

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

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 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 The overview of No Code software development
- 2 Exercise-1 Development of Web Pages
- 3 The overview of No Code software development processes
- 4 Exercise-2 Screen control method
- 5 Introduction of practical example of No Code ICT Application
- 6 Exercise-3 Data handle method-1
- 7 Introdutin of practical utilization method 1
- 8 Exercise-4 Data handle method-2 Read
- 9 Introdutin of practical utilization method 2
- 10 Exercise-5 Data handle method-3 Create and Update
- 11 Introdutin of practical utilization method 3
- 12 Exercise-6 Data handle method-4 Delete
- 13 Integrated Practice 1
- 14 Integrated Practice 2
- 15 Presentaion and Wrap up
- 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	30	10	40	

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 briefly 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

Lessen 1: The overview of No Code software development

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 consider when you use No Code tools?

Lessen 2: Exercise-1 Development of Web Pages

Lecture/Exercise 90 min

Basic knowledge of No Code development tools operation

Exercise : Making of Web pages

Lessen 3: The overview of No Code software development processes

Lecture/Discussion 90 min

Essential knowledge of software development by No Code tools

Introduction of popular development tools

Discussions : What point do you consider when you choose No Code tools?

Lessen 4: Exercise-2 Screen control method

Lecture/Exercise 90 min

Understanding of screen control methods by using No Code tools

Implementation of sample program

Lessen 5: Introduction of practical example of No Code ICT Application

Lecture/Discussion 90 min

Introduction of actual software example using in real business field

Discussion : Effective use of No Code tool from case studies

Lessen 6: Exercise-3 Data handle method-1

Lecture/Exercise 90 min

Understanding of data handle method by using No Code tools

Implementation of sample program

Lessen 7: Introduction of practical utilization method 1

Lecture/Exercise 90 min

Basic software design for integrated practice assuming the use of No Code tools

Lessen 8: Exercise-4 Data handle method-2 Read

Lecture/Exercise 90 min

Understanding of data handle("Read & View") method by using No Code tools

Implementation of sample program

Lessen 9: Introductin of practical utilization method 2

Lecture/Exercise 90 min

User interface design for integrated practice assuming the use of No Code tools

Lessen 10: Exercise-5 Data hundle method-3 Create and Update

Lecture/Exercise 90 min

Understanding of data hundle("Create & Update") method by using No Code tools
Implementation of sample program

Lessen 11: Introductin of practical utilization method 3

Lecture/Exercise 90 min

Data design and test planning for integrated practice assuming the use of No Code tools

Lessen 12: Exercise-6 Data hundle method-4 Delete

Lecture/Exercise 90 min

Understanding of data hundle("Delete") method by using No Code tools
Implementation of sample program

Lessen 13: Integrated Practice 1

Lecture/Exercise 90 min

Implementation of exercise software

Lessen 14: Integrated Practice 2

Lecture/Exercise 90 min

Implementation of exercise software

Lessen 15: Presentaion and Wrap up

Lecture/Exercise 90 min

Presentation of the delivarables of Irtegrated practice
Wrap up of essential points of this class
