

# Information System Design

Syllabus Number

4E304

Special Subjects

Elective 2 credit

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## 1. Course Description

The design is important and necessary to develop the system of the high quality. We learn about series of design processes and analysis techniques to develop information systems.

## 2. Course Objectives

- 1.Students will be able to analyze customer needs and can grasp it.
- 2.Students will be able to make their own system proposal.
- 3.Student will understood how to make a requirement definition document.
- 4.Students will be able to make a external and internal specification.
- 5.Students will be able to make a specification which were conscious of a reader.

## 3. Grading Policy

When all subjects are accepted, students are considered to have met the eligibility requirements for an examination.

This course evaluates the result of the subject acquisition examination. Learners who received evaluation over the total of 60% will pass this course.

## 4. Textbook and Reference

Textbook

伏見 正則著 最新 情報システムの開発  
ISBN978-4-407-30957-7 実教出版

## 5. Requirements(Assignments)

## 6. Note

## 7. Schedule

- |      |   |
|------|---|
| [1]  | Introduction                                |
| [2]  | Request For Proposal                        |
| [3]  | System proposal                             |
| [4]  | Requirement analysis                        |
| [5]  | Requirement analysis (Use Case Diagram)     |
| [6]  | Requirement analysis (Use Case Description) |
| [7]  | Outside specifications                      |
| [8]  | Data Flow Diagram                           |
| [9]  | Internal specifications                     |
| [10] | Internal specifications (Data Design)       |
| [11] | Internal specifications (Behavior Design)   |
| [12] | Program specifications                      |
| [13] | Program specifications (Module splitting)   |
| [14] | Program specifications (Sequence diagram)   |
| [15] | Summary                                     |