

Software Modeling and Analysis

- SASD vs. OOAD

COURSE SYLLABUS

2010 Spring

BASIC INFORMATION

Instructor: JUNBEOM YOO
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Homepage: <http://dslab.konkuk.ac.kr>
Course Page: <http://dslab.konkuk.ac.kr/Class/2010/10SMA/10SMA.htm>
Class Hours: 15:30 ~ 17:30 (Wednesday, 504), 15:30 ~ 17:30 (Thursday, 504)

DESCRIPTION

This course introduces two representative approaches for software modeling, analysis, and design, SASD(Structural Analysis and Structural Design) and OOAD(Object-Oriented Analysis and Design) from practical aspect. It is composed of two parts. The former focuses on theory of each one, and the latter performs team projects on the basis of the theories.

COURSE ORGANIZATION

This course is a lecture-lab course in which topics are presented by the instructor, and assigned practices are completed by students during the lab periods. Each group of 3~4 students performs a team project, and presents its progress many times

COURSE OBJECTIVE

1. To introduce the fundamentals of SASD and OOAD.
2. To provide software analysis and modeling experience using CASE tools.

COURSE TOPICS

1. Fundamentals of SASD and OOAD
2. Object Space Process (OSP)

3. Case Studies: Library Management System / Case Studies: Flight Reservation System
4. Team Project: Elevator Controller / Coffee Vending Machine

TEXT

1. Required Text: N/A

GRADING PLAN

1. Team Project 60%
2. Practice 40%

TENTATIVE SCHEDULE

WEEKS	DATE	LABORATORY (Monday)	LECTURE (Thursday)
1	03.03 / 03.04	Course Introduction	Software Process Model References(16MB)
2	03.10 / 03.11	OSP Stage 1000 - Plan & Elaboration	Case Study - LMS Case Study - FRS
3	03.17 / 03.18	Team Practice #1	Team Project Presentation #1
4	03.24 / 03.25	OSP Stage 2030 - Analyze	Case Study - LMS Case Study - FRS
5	03.31 / 04.01	Team Practice #2	Team Project Presentation #2
6	04.07 / 04.08	Team Project Presentation #3	OSP Stage 2040 - Design Case Study - LMS
7	04.14 / 04.15	Team Practice #3	
8	04.21 / 04.22	중간고사 기간	
9	04.28 / 04.29	Team Project Presentation #4 (English)	
10	05.05 / 05.06	어린이날	SASD (SA)
11	05.12 / 05.13	개교기념 일감호축전	Team Practice #4
12	05.19 / 05.20	Team Practice #4	Team Project Presentation #5
13	05.26 / 05.27	SASD (SD)	Team Practice #5
14	06.02 / 06.03	Team Project Presentation #6 (English)	
15	06.09 / 06.10	Final Presentation (OOAD vs. SASD) - English	
16	06.16 / 06.17	기말고사 기간	