

## 2014Year 1st Semester Syllabus

Course Code-Section	Undergraduate LIS2806-01		
Created Date	2014-01-24 17:44:48	Last-Modified	2014-01-24 17:44:48
Course Title	INFORMATION SYSTEMS ANALYSIS	Credit	3
Location	WDH416	Time	Tue4,Thu5,6

Instructor	송민	Department	문과대학 문헌정보학
Office		Telephone	
e-mail & Office Hour			

Target Students	Upper division of Undergraduate
Course Description & Goals	<p>This course introduces the information systems development life cycle, from the initial stages of requirement analysis and determination to the ultimate activities involving systems design. The topics covered in this course include system life cycle, system planning and selection, analysis, and design. It also covers system modeling techniques such as entity-relationship modeling and data flow diagram, and an overview of computer-aided software engineering (CASE) tools.</p> <p>Objectives After taking the course, students will be able to analyze and design information systems. Specifically, they will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the pros and cons of the alternative methodologies used in developing information systems.</li> <li>• Analyze business' information needs and develop an appropriate strategy to address these needs.</li> <li>• Construct system description documents, including physical and logical data flow diagrams, entity-relationship diagrams, and structure charts.</li> <li>• Communicate effectively, in both written and oral forms, systems specifications.</li> </ul> <p>Material that Must be Covered during the Semester</p> <ol style="list-style-type: none"> <li>1. System Life Cycle</li> <li>2. System Planning and Selection</li> <li>3. System Analysis</li> <li>4. System Design</li> <li>5. System Implementation and Operation</li> <li>6. Entity-Relationship Modeling</li> <li>7. Data Flow Diagram</li> </ol>
Prerequisite	None
Course Requirements	Lecture, team project, and class discussion
Grading Policy	HW Assignments 20% Midterm Exam 20% Final Exam 25% Final Project 25% Participation 10%
Texts & References	<ul style="list-style-type: none"> <li>• Essentials of Systems Analysis &amp; Design, 3rd Ed., Valacich, George, Hoffer, Prentice Hall, 2006. ISBN: 0131854623</li> </ul>
	Min Song, PhD, is an associate professor in the Department of Library and Information Science at Yonsei University. Prior to the current position, Dr.

Instructor's Profile	Song was an associate Professor in the Department of Information Systems and co-director of the Informatics Research Laboratory at New Jersey Institute of Technology, where the goal of his research is discovery of knowledge from large natural language data such as blogs, doctor's notes, and scientific publications. His research interests are in text mining, bioinformatics, information retrieval and digital libraries.
TA's Name & Contact Information	N/A
파일첨부	

week	Period	Weekly Topic & Contents	Course Material Range & Assignments	Academic Schedule
1	2014-03-03 - 2014-03-09	Introduction and Course Overview Systems Development Environment	Chapter 1	
2	2014-03-10 - 2014-03-16	Managing the Information Systems Project	Chapter 2	
3	2014-03-17 - 2014-03-23	Systems Planning and Selection	Chapter 3	
4	2014-03-24 - 2014-03-30	Determining System Requirements	Chapter 4	
5	2014-03-31 - 2014-04-06	Structuring System Requirements: Process Modeling	Chapter 5	
6	2014-04-07 - 2014-04-13	Structuring System Requirements: Data Modeling	Chapter 6 and 8	
7	2014-04-14 - 2014-04-20	Structuring System Requirements: Data Modeling (Continued)	Chapter 6 and 8	
8	2014-04-21 - 2014-04-27	Min Term		
9	2014-04-28 - 2014-05-04	Selecting the best Alternative Design Strategy	Chapter 7	
10	2014-05-05 - 2014-05-11	Designing the Human Interface	Chapter 8	
11	2014-05-12 - 2014-05-18	Designing Databases	Chapter 9	
12	2014-05-19 - 2014-05-25	Designing Databases (Continued)	Chapter 9	
13	2014-05-26 - 2014-06-01	Systems Implementation and Design	Chapter 10	
14	2014-06-02 - 2014-06-08	Alternative Analysis and Design Approaches	Chapter 11	
15	2014-06-09 - 2014-06-15	Final project presentation		
16	2014-06-16 - 2014-06-22	Final exam		