[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

This course builds the foundation for understanding the core principles of information architecture as they apply to the design of web sites, applications, and interfaces. Students learn to analyze the needs of clients through user research, content audit and organization, task analysis, documenting organizational structures, and producing interface prototypes. Students assemble proposals that balance business or organizational needs, content categories and characteristics, and end-user requirements.

2. Course Goals and Objectives (Approximately 100 words)

1. articulate the art and science of creating a model for information;
2. conduct research activities for the purpose of defining business goals, identifying the primary audience, listing user information needs, and preparing a competitive analysis;
3. define the various purposes for information architecture as it applies to web site development, user interaction, interface design, and content management;

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

Information Architecture Edition 3rd Edition by Peter Morville (Author), Louis Rosenfeld (Author)

4. Reference

5. Course Requirements and Grades

MID-TERM - 40%
MAIN EXAM - 60%

6. Course Calendar

Week	Main Content
1	Introduction to information architecture and design
2	Introduction to information architecture and design continued
3	Types of information architecture and design
4	Normalization
5	De-Normalization
6	Issues of De-Normalization
7	Mid-term exam
8	Analytical Processing (OLAP)
9	Multidimensional OLAP (MOLAP)
10	Relational OLAP (ROLAP)
11	Dimensional Modeling (DM)
12	Process of Dimensional Modeling
13	Extract Transform Load (ETL)
14	Main Exam