

IS 622 Structured Systems Design
CRN 53119
TUESDAY/THURSDAY 5:30-8:55 ROOM W622

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Office Hours: By mutual convenience

Course Objectives:

1. To gain a thorough understanding of the Systems Development Life Cycle including its phases and those products and activities associated with each phase.
2. To understand the Systems Analyst's and Designer's roles and responsibilities throughout the SDLC.
3. To gain a basic understanding of Information Engineering tools and techniques that are used in the SDLC.
4. To concentrate and focus on structured design tasks of the SDLC in the Analysis and Design phases.
5. To gain some preliminary exposure to the Development phase's tasks, products and tools.

Examinations:

Mid-Term and Final Exam

Term Project:

The course textbook provides a number of "consulting opportunity" cases. Each student will:

- Select one case and make a 5-10 minute oral presentation to a client/senior executive committee (composed of the Professor and 2 students); and
- Select two cases for which to participate (e.g., ask questions) on a client committee, providing a written response to the cases prior to the meeting of the client/senior executive committee (described above). Format and quality of the response should reflect the positive impression that you are trying to make on a client or a senior executive – but must not exceed two pages).

Each case selected above must be from a different chapter. Participation in cases may not be duplicated (e.g., only one presenter and two participants per case). Assignments will be made on a "first come – first served" basis. Presentation/involvement/deliverable due on day of chapter lecture as indicated in the class outline below.

Grades:

Mid-Term	25%
Final	35%
Class Participation	15%
Term Project – Presenter	10%
Term Project – Participant (Total)	15%

Text:

Systems Analysis and Design

Kenneth E. Kendall and Julie E. Kendall
Prentice Hall, Upper Saddle River, NJ

Class Outline:

Session No.	Date	Ch	Chapter or Lecture Topic
1	7/16	n/a	Course introduction and administration. Review of the systems development lifecycle and players. Corporate politics and system design
2	7/18	13, 14	Preparing the systems proposal. Writing and presenting the systems proposal.
3	7/23	15, 16	CLASS CANCELLED- NO LECTURE TEXT ONLY – ON EXAM Designing effective output. Designing effective input.
4	7/25	9	Using data flow diagrams
5	7/30	10, 11	Analyzing systems using data dictionaries. Describing process specifications and structured decisions.
6	8/1	n/a	Mid-Term Exam System analysis and design career opportunities and strategies
7	8/6	18, 19	Designing user interfaces, Designing accurate data-entry procedures
8	8/8	17	Designing Databases
9	8/13	17	Designing Databases
10	8/15	20	Quality assurance through software engineering
11	8/20	21	Successfully implementing the information system
12	8/22	n/a	Final Exam and Course Conclusion