

## Exam 1 Review

Covering: Chapter's 1 and 2 / Appendix C  
SDLC / Preliminary Investigation / Requirements Determination  
Class Discussion

Format: 20 multiple choice questions  
10 one word type answer questions (Fill-Ins)  
2 short answer questions  
1 essay type question

*The one word answer questions are identification/definition type*

*The short answer questions involve defining and describing a key topic. The key aspect is your rationale as to why you chose your answer*

*The essay type will involve you describing the steps you would take to solve a particular scenario, I am more interested in the sequence and steps involved than descriptive details. Be specific and include any activities/tasks you may need to undertake to complete the process.*

### Topics:

Systems Design  
What is it  
System  
Information system

What is systems analysis  
Define system / system analyst  
Feasibility – Types and key questions asked  
Functional decomposition

Identify and describe types of information systems (MIS, EIS, etc..)  
Define  
Best used when?

What is SDLC  
Identify the stages  
Know key topics within the stages  
Statement of scope  
Requirements Determination  
Preliminary Investigation

What is structured analysis  
RAD, JAD, Object oriented, Agile Methods  
What are they, how are they different

## Modeling

Methodologies vs. techniques vs. tools

Org chart

Activity Diagram

BPM

## Project Management

Pert Chart

Gantt Chart

Critical Path

## Data Flow Diagrams

Why?

Components

Entity

Data Flow

Process

Do's and Don'ts