

BUS 362
Midterm Preparation

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Contents

- Multiple choice, short answer, diagrams (use cases / DFDs)
- Ranges from conceptual to specific to practical

Tips

- Understand the syntactic details of the diagrams
- Understand the slides that he's used in class
- Read the textbook for clarification about concepts you don't understand
- Some questions may be textbook specific

Initiation

- Types of analysts
- Generally, what is MIS about?
- Scoping and budgeting a project
- Project phases
 - Planning
 - Analysis
 - Design
 - Implementation
- When do things go wrong? Where can they go the most wrong? Where does it cost the most?
- System requests
- Feasibility analyses

Planning

- Why do projects fail? Why do they succeed? What trade-offs are there?
- Estimating project stuff
- Work plans / GANTT charts / Network Diagrams
- Resourcing - how many people do we need? How should we use them? How do we motivate them?
- How do we reduce risk? How do we schedule our project?
- Project life cycle (investment/error costs)
- Development methodologies - when do we use each one? What are the strengths and weaknesses of each one? What categories of methodologies are there?

Requirements

- What is the current system like? What is the to-be system like?
- How do we know what people want? How do we know how to build the new system?
- Functional vs non-functional requirements
- How can we tell if our requirements are well defined?
- Incremental vs evolutionary vs radical change
- Automation vs improvement vs reengineering
- Gathering information - JAD sessions, interviews, questionnaires, document analysis, process observation, etc

Use Cases

- What are they used for?
- Semantic details - how do use cases need to look? What does each section mean? What directions to the arrows go?
- Handling alternative or optional courses
- Do I have enough information to create this output?
- Can be helpful to create a small DFD fragment before you make the use case

DFDs

- What are they used for?
- Semantic details - which elements are numbered? What is the number format like?
- Number of periods in process number is the level that you are on
- Do all of my processes and data stores have at least one input and at least one output?
- Do I have enough information to create this data flow?
- Do I handle all the scenarios presented in the case?