**MIS3504 Exam 2 Study guide**

**Summary of topics to Review:**

The Exam will primarily focus on the analysis tools outlined and demonstrated in class discussions 5 –  (Process Mapping), 6 –  (Data Mapping and Relationships)  and 7  – (Business Rules and Decision Trees)  and the respective individual case assignments.

Key topic areas covered in the exam will be: Process Flows, (Swim Lane), Data Analysis (Entity Relationship) and Business Rules (Decision Tree).

Chapter 6 in the text book specifically covered the analysis tools with addition background information found in chapter 4.  Review of the class discussions posted on the web site and follow up case assignments will serve as good study aids.  The Software Requirements Memory Jogger also has examples of the analysis tools and the their components.

Case Solutions can be found on the web site page: [Case Assignment Solutions](https://community.mis.temple.edu/mis3504sec003fall2019/case-assignment-solutions/)

**Exam will be structured as follows:**

Section 1: A range of general knowledge multiple choice questions pertaining to the use and structure of the analysis tools discussed and demonstrated in the case studies

Section 2: A Case study that included various diagrams and business rules in which you will be asked to identify potential issues or conclusions.  All questions will be in multiple choice form for this section of the exam.

Number of exam questions will range between 30 – 40

**Review Text Book Chapter Summary**

 See links on web site under class discussions, [Text Book Chapter Summaries](https://community.mis.temple.edu/mis3504sec003fall2019/chapter-summaries/)

**Key questions to think about**

**Requirements:**

* + What are four Core Business Requirements
	+ What is the difference between a business requirement and a functional requirement
	+ What is the difference between Current-State (As is) and Future-State (To be)

**Process Diagrams:**

* What are the elements of a swim lane diagram
* What are the swim lane diagrams used for
* What are the key elements found in a process flow diagram
* Know how to map stakeholder in a case to a swim lane
* Know how to map actions and decision rules to steps in the flow diagram

**Data and Relationships:**

* What are entities and attributes and how do you determine them
* What are the types for relationships between entities?
* What can you determine from entity relationships
* Know how to identify elements of a case (nouns) to entities and attributes
* What is a data glossary

**Business Rules:**

* Review Business Rules and why they are important
* What does a well written business rule look like
* What are the elements of a Decision Tree
* Mapping business rules in a process flow diagram
* When do you use a Decision Tree