IS 7080 Database Application Design and Implementation	3	Business Elective II	3
IS Elective II	3	Business Elective III	3

MGT 4199 Strategic Management

MSIS

IS 7060 – Information Systems Development and Implementation

Course Description: This course examines the Systems Development Life Cycle and the technologies used to implement high-quality information systems. A variety of modeling techniques will be used by students to articulate client requirements and convert them into implementable specifications. Prototyping and methodology engineering will be covered.

Learning Outcomes

- ¶ Understand the framework methodology of Systems Analysis and Design
- ¶ Learn how to prepare UML-based models using techniques based in Object-Oriented design principles to reinforce the learning of the processes of requirements gathering and documentation, identify and interpret UML models
- ¶ Acquire the ability to design systems using Object-oriented techniques to deliver quality system and program specifications.
- ¶ Acquire the understanding of implementation, Testing, and Deployment of SAD initiatives. In addition, students will understand the process of reviewing project management techniques and issues as applied to the system design process, as well as the SA&D implementation (construction & installation) components.

BBA - IS

IS 3060 – Systems Analysis and Design

Course Description: An introduction to the basic concepts underlying systems analysis and design, and the application of those techniques in the development of business information systems. The student will learn how to develop information systems based on user requirements and specifications. The course will expose the students to UML and other graphic modeling processes.

Learning Outcomes

- ¶ fast changing environment
- ¶ Learn, Understand and Be Able to describe the fundamentals of IS Behavioral and structural modeling, structure and function of systems and networks
- ¶ Understand the relationships between software and hardware, systems and Networks
- ¶ Understand and be Able to describe the fundamentals of systems development such as SDLC, Agile and Extreme or Rapid development methodologies
- ¶ Understand and be able to describe the basic concepts of Project Management and its tools such as MS Project and Gantt Charts

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