

**WILMINGTON UNIVERSITY  
COLLEGE OF TECHNOLOGY  
MASTERS OF SCIENCE - INFORMATION SYSTEMS TECHNOLOGIES  
BASIC COURSE INFORMATION**

**COURSE TITLE:** Data Management

**COURSE NUMBER:** IST 7000

**I. MAJOR INSTRUCTIONAL OBJECTIVES**

**Objective A:** Understand concepts covered in class that relate to Data Base Management Systems (DBMS) in a contemporary business environment.

- A-1 Examine and research topics of current interest specific to data management concepts
- A-2 Produce data reports
- A-3 Distinguish between data models
- A-4 Design a working database

**Objective B:** Gain an appreciation of the technologies involved in data-base systems and applications.

- B-1 Identify through use, data modeling concepts
- B-2 Distinguish between database technologies
- B-3 Develop queries and reports
- B-4 Identify hardware required to support/operate a DBMS environment

**Objective C:** Become familiar with data warehousing and data mining concepts

- C-1 Identify practical applications of data warehousing and data mining
- C-2 Identify advantages and disadvantages of data warehousing and data mining systems

**Objective D:** Understand the value of Database Recovery and Database Back-up Planning

- D-1 Describe from a business perspective, the importance of Data base Recovery
- D-2 Identify strategies and methodologies for backing-up data
- D-3 Demonstrate knowledge of requirements for the development of a Database Back-up Plan

**II. SUPPLEMENTAL OBJECTIVES**

Student must complete the assigned “on-line writing evaluation

**III CLASS PARTICIPATION:**

Students are expected to attend class and participate actively and in a positive way. Questions and relevant observations are encouraged and enrich the experience of the entire class. Computers in the classrooms are intended to be used as tools to enhance the students' learning experience.

