WILMINGTON UNIVERSITY  
COLLEGE OF TECHNOLOGY  
BASIC COURSE INFORMATION

COURSE TITLE:  Advanced Database Design  
COURSE NUMBER:  WIS 400

All courses are open to students from all colleges. Only where a course is preceded by an introduction course is there a need to observe a prerequisite. However, students might benefit from prior knowledge on some of the courses, and this is given as the content found in your course catalogue by course code.

I.  MAJOR INSTRUCTIONAL GOALS

During this course, students should improve their understanding of:

GOAL #1:  Demonstrate comprehension of relational data modeling.  
Learning Outcomes - The student will:
A.  Be able to define terms and concepts associated with relational data modeling.  
B.  Be able to analyze, design, and construct conceptual, logical, and physical relational models that meet the requirements of real-world, transactional systems.  
C.  Be able to normalize and denormalize relations.

GOAL #2:  Demonstrate comprehension of dimensional data modeling.  
Learning Outcomes - The student will:
A.  Understand the distinction between transactional and analytical processing.  
B.  Be able to define terms and concepts associated with dimensional data modeling.  
C.  Be able to analyze, design, and construct conceptual, logical, and physical dimensional models that meet the requirements of real-world, analytical systems.

GOAL #3:  Demonstrate comprehension of database architectural design.  
Learning Outcomes - The student will:
A.  Be able to define terms and concepts associated with database architectures.  
B.  Be able to choose an appropriate database architecture for a given business problem.

II.  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. Instant messaging, gaming, emailing, and surfing the web are distractions to the student, the surrounding students, and the instructor and constitute inappropriate behavior. Students are ethically obliged to avoid these and similar practices.