WILMINGTON UNIVERSITY COLLEGE OF TECHNOLOGY BASIC COURSE INFORMATION

COURSE TITLE: Database Fundamentals

COURSE NUMBER: CSC 345

SUPPLEMENTAL MATERIALS: MySQL database

MAJOR INSTRUCTIONAL OBJECTIVES:

GOAL A: Demonstrate comprehension of Structured Query Language (SQL). Learning Outcomes:

A-1: Be able to define terms and ncepts associated with SQL.

A-2: Be able to query a database, saveuery, modify, and excute a saved query.

A-3: Be able to perform a conditional seh: search using once more conditions, search for a range of values and NUValues, search data based on patterns.

A-4: Be able to work with functions: pferm date calculation scalculate data using aggregate functions, manulate string values.

GOAL B: Demonstrate comprehension of working with and extracting information from databases.

Learning Outcomes:

B-1: Be able to organize the sort data, rank data, comp data, filter grouped data, summarize grouped data, use/OIT and UNPIVOT operators.

B-2: Be able to retrieve data from multipletoles: combine and compare the results of two queries, retrieve data by joining tables.

B-3: Be able to export query results:ngeate a text file, generate an XML file.

B-4: Be able to use subqueries to perfoadvanced queryingsearch based on unknown values, compare a value with unknown valuearch based on the existence of records, generate output using corred subqueries, filter groupedata within subqueries, perform multiple-level subqueries.

II CLASS PARTICIPATION:

Students are expected **two** class and participatetixely and in a positive way. Questions and relevant observations are wracged and enrich the experience of the entire class. Computers in the classroom in the entire class. Computers in the classroom in the entire class to observe the students' learning experience. Instants are ging, gaming, emailing and surfing the web are distractions to the student, the surround tragents, and the instruct and constitute inappropriate behavior. Studies are ethically obliged travoid these and similar practices.