HIBBING COMMUNITY COLLEGE
COURSE OUTLINE

COURSE TITLE & NUMBER: ITNS 2095 SQL (Oracle) Programming
CREDITS: 6 (Lecture 2 Lab 4 )
PREREQUISITES: None

CATALOG DESCRIPTION:
In this course the student will learn basic database concepts. The student will learn how a database management system (DBMS) can be used to create, modify, and store data. Of particular importance is the design process. The design process includes creating an entity-relationship model (E-R model) and normalizing data through various stages. In turn the student will create and modify a database, learning how to manipulate data in the Oracle DB environment. The student will also install the Oracle system on a Linux server, maintain the Oracle Database System and learn to make backups of all databases.

OUTLINE OF MAJOR CONTENT AREAS:
1. Overview of Database Concepts
2. Basic SQL Select Statements
3. Table Creation and Management
4. Constraints
5. Data Manipulation and Transaction Control
6. Additional Database Objects
7. User Creation and Management
8. Restricting Rows and Sorting Data
9. Joining Data from Multiple Tables
10. Selected Single Row Functions
11. Group Functions
12. Subqueries and Merge Statements
13. Views

COURSE OUTCOMES/OBJECTIVES/GOALS:
1. Students will describe database technology.
2. Students will explain database management system.
3. Students will analyze database design.
4. Students will explain table design.
5. Students will explain commit and rollback statements.
6. Students will explain comparison operators.

STUDENT CONTRIBUTIONS:
The student is expected to prepare for classes, attend classes, attend all lectures and labs, participate in all class activities, complete everything on time, and request assistance if needed.
HCC COMPETENCIES MET:
1) Working Productively and Cooperatively 
2) Communicating Clearly and Effectively 
3) Thinking Creatively and Critically 
4) Social Responsibility  
5) Value Self  

STUDENT CONTRIBUTIONS:  
Each student is expected to spend at least two (2) hours per week outside of class preparing for each lecture period and one (1) hour of outside study per week preparing for each lecture session. Attendance is crucial in this class.

AASC APPROVAL DATE:   November 15, 2017
REVIEW DATE:   November 2022