Administrative Master Syllabus

Course Information

Course Title	Introduction to Database
Course Prefix, Num. and Title	ITSW 1307 - Introduction to Database
Division	Technology and Business
Department	Information Technology and Networking
Course Type	WECM Course
Course Catalog Description	Introduction to relational and non-relational database theory and the practical applications of contemporary databases. Topics may adapt to changes in industry practices.
Pre-Requisites	None
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours: Lab/Other Hours	3:2:2
Equated Pay Hours	3
Lab/Other Hours Breakdown: Lab Hours	2
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Department Head:	Muna Saqer, Comp Sci and IT&N Program Director	11-16-2023
Division Chair:	David Kucera, Technology & Business Division	11-16-2023
VPI:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

- Planning, defining, and designing a database
- Database concepts, terminology, structure and relationships
- Creation, modification and deletion of objects such as tables, views, procedures and functions
- Retrieval, insertion, modification and deletion of records in a table
- Data storage concepts including normalization, keys and indexes
- Database administration concepts such as security, backup and restore

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:
- Identify and differentiate the application of relational and non-relational databases
- Identify database terminology and concepts
- Plan, define, and design a database
- Design and generate tables, forms, and reports and devise and process queries

Methods of Assessment:
Individual/Group Assignments
Individual/Group Projects
Reading Assignments
Presentations
Lab Works/Assignments
Quizzes/Tests/Exams

Required text(s), optional text(s) and/or materials to be supplied by the student:

Illustrated Course Guide: Microsoft® Office 365 & Access 2016: Advanced. Author: Lisa Friedrichsen. Publisher: Cengage. Edition: first. or Microsoft Access (latest edition).

Suggested Course Maximum:
20

List any specific or physical requirements beyond a typical classroom required to teach the course.

- Computer for each student with licensed Microsoft Access (current version) and Windows Operating System.
- Computer equipped with USB ports
- Data projector and computer for instructor

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Assignments: 50-60%
Tests and Comprehensive Final 40-50%

Grade System:
90-100% .... =A
80-89% .... =B
70-79% .... =C
60-69% .... =D
Below 60%.... =F

Curriculum Checklist:

☐**Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.

☐**Administrative WCJC Core Course**. Attach the Core Curriculum Review Forms

    ☐Critical Thinking

    ☐Communication

    ☐Empirical & Quantitative Skills

    ☐Teamwork

    ☐Social Responsibility

    ☐Personal Responsibility

☒**WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist