



Course Prefix/Number/Title: CIS 104 – Microcomputer Database

Number of Credits: 3 Credits

Course Description: Acquaints students with database design including data entry, storage and retrieval. Prerequisites: none, but previous computer knowledge is preferred.

Pre-/Co-requisites: None

Course Objectives:

- Create and manage information using computer technology
- Organize, distribute, and store information using database software
- Apply concepts learned to independent challenge problems
- Interpret and synthesize information resulting in solutions to problems
- Demonstrate a working knowledge of database software
- Integrate database records with other business documents correctly and accurately

Instructor: Trisha Nelson

Office: MiSU Campus Model Hall 311

Office Hours: By Appointment

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Lecture/Lab Schedule: Online

Textbook(s): Go! With Microsoft Office 365, Access 2021 Edition/Gaskin/Graviett/ Pearson / ISBN-13: 9780137602339/ Book Only. Students will also need the Microsoft 2019/Office 365 Suite.

Course Requirements: Instruction procedures include lecture, class discussion and participation, individual assistance and tests. Grades will be calculated by dividing total points earned by total points available. You will need access to a desktop or laptop computer to take this class. You cannot use your phone or tablet to take this class.

### Grading Scale:

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 0-59%

### Tentative Course Outline:

- Microsoft Office Features and Windows 10 File Management
- Getting Started with Microsoft Access 2021
- Sort and Query a Database
- Forms, Filters, and Reports
- Enhancing Tables
- Enhancing Queries
- Customizing Forms and Reports
- Creating Advanced Forms and Reports
- Creating Macros
- Integrating Access with Other Applications
- Administering Databases and Writing SQL Statements

### General Education Competency/Learning Outcome(s) OR CTE Competency/Department

**Learning Outcome(s):** Employs industry specific skills in preparation for workplace readiness.

**Learning Outcome #1:** Utilize industry specific technologies.

**Relationship to Campus Focus:** The student will be able to create Microsoft Access databases for situations in everyday life that will pertain to their field of interest, may it be nature, business, health, or science. Databases will be created to store data, run queries, use forms, and to create reports. The Microsoft Access software is a great tool to learn since this technology can be used in a multitude of situations. The projects within the course allow students to create their own functional database to get a hands-on learning experience.

### Classroom Policies:

- Students are required to complete all class activities.
- Cheating will result in the automatic failure of this course.
- All assignments will be submitted in Blackboard.
- Assignments that are late will have points deducted accordingly.
- Incompletes are handled according to the campus policy.

### Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

### Academic Integrity:

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the

responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

#### Disabilities or Special Needs:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

#### Title IX:

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.