Course Prefix/Number/Title: CIS 188 Application Design

Number of Credits: 3

Course Description: This course provides an introduction to the field of human-computer interaction (HCI). Students will learn practical principles and guidelines needed to develop high quality interface designs–ones that users can understand, predict, and control.  Students explore theoretical foundations, design processes, examples of direct manipulation, menu selection, and form fill-in to gain an understanding of excellence in design. Current HCI topics are explored with balanced emphasis on mobile devices, Web, and desktop platforms.

Pre-/Co-requisites: CIS 181 Creating Web Pages II

Course Objectives: Upon completion of this course, the student will be able to:
- Utilize guidelines and theories to create interactive systems
- Manage Design Processes
- Organize Design to Support Usability
- Understand Development Methodologies
- Evaluate Interface Designs
- Utilize Various Interaction Styles
- Understand Design Issues

Instructor: Trisha Nelson

Office: MiSU Campus, Model Hall 311

Office Hours: 9:00 a.m. – noon Tuesdays & Thursdays; in-person or virtual meeting available by appointment

Phone: 701-858-3313

Email: trisha.nelson@dakotacollege.edu

Lecture/Lab Schedule: Online

Textbook(s): None

Course Requirements: : Instruction procedures include lecture, demonstrations, class discussion and research assignments, quizzes and tests.

Tentative Course Outline:

- Introduction to Application Design
- Hardware and Peripherals
- Operating Systems
- Applications
- Networks and the Internet
- Security
- Software
- Systems Development
- User Experience and Design

- Typography
- Putting It All Together

General Education Competency/Learning Outcome(s) <u>OR</u> CTE Competency/Department Learning Outcome(s): Employ industry-specific skills in preparation for workplace readiness.

Relationship to Campus Focus: The course focuses on knowledge and application of technology.

Classroom Policies:

- Students are required to complete all class activities.
- Attendance is vital to success. Absences and arrangements must be made with the instructor prior to class time.
- The instructor reserves the right to remove anyone causing disruptions or showing disrespect to others. The instructor will interpret and declare what is considered disruptive or disrespectful behavior.
- Students are to silence or turn cell phones off during class.

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.