



Course Prefix/Number/Title: CIS 241, Introduction to Digital Forensics

Number of Credits: 3 credits

Course Description: This course introduces the principles that are essential to the management of digital investigations, providing a framework that includes technical, legal, and managerial issues. Students will examine the mission of digital investigations from the various perspectives of the public and private sectors, including digital forensics in support of activities ranging from internal corporate investigations, responses to information security incidents, and policy auditing to third-party investigations, criminal investigations, and anti-terrorism information gathering — and discussing the imperatives of each. As relevant, the impact of international and cultural issues, as well as geopolitics will be an essential part of class discussion. The capacity to make decisions based on organizational and personal values with which to pursue organizational goals will be explored.

Pre-/Co-requisites: None

Course Objectives: At the end of this course, you will have assembled enough information to help you:

1. Characterize the overall digital investigation process
2. Compare and contrast public and private sector, and criminal and civil, digital investigations
3. Outline the process for preparing digital evidence for criminal and civil cases
4. Recognize the various scenarios requiring a digital investigation, and categorize the scope of the investigation necessary for each scenario
5. Develop a moral and ethical framework within the context of public and private sector investigations
6. Argue issues of privacy versus the need for digital investigations

Instructor: Trisha Haman

Office: Dakota College Downtown, 120 East Burdick Expressway - Minot

Office Hours: 11:00-1:00 and 2:30-4:00 T, Th; Virtual appointments available by appointment

Phone: 701-858-3313

Email: [trisha.haman@dakotacollege.edu](mailto:trisha.haman@dakotacollege.edu)

Lecture/Lab Schedule: T, Th 9:30-10:45

Textbook(s): None

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.

Tentative Course Outline: Each week there are topic “discussions” which you will research and require a weekly response. Weekly discussions are graded at 20 points per week pending your engagement and quality. There will be hands on and research based assignments will also be assigned along with the software and material to complete those assignments.

General Education Competency/Learning Outcome(s) OR 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.