

**Dakota College at Bottineau Course Syllabus
Spring Semester 2020**

Course Prefix/Number/Title: CIS 147 Principles of Information Security

Number of credits: 3 semester hours

Course Description: Provides students with an overview of personal and business information security. Topics covered include various method of attack and defense. Students will also investigate desktop security, internet security, wireless network security and enterprise security and ethics.

Pre-/Co-requisites: None

Course Objectives: Knowledge and tools needed to make and maintain computer and related technology equipment (tables, laptops, smartphones, and wireless networks) secure. Upon successful completion of the course, students will have gained knowledge that will assist in their preparation to take the A+ Essentials Exam. Students will take this exam later, while taking CIS 129.

Instructor: Trisha Nelson

Office: Model Hall, MiSU Campus, Room 311

Office Hours: M, T, W 11:00-noon; T, Th noon-2:00

Phone: 701-858-3313

Email: trisha.nelson@ndus.edu

Lecture/Lab Schedule: M, W, F 9:00-9:50 a.m.

Textbook(s): Principles of Information Security, Sixth Edition
Whitman, Mattord ISBN-13: 9781337102063
Cengage Publisher

Course Requirements: Instruction procedures include lecture, class discussion and participation, individual assistance and tests.

Tentative Course Outline:

- Introduction to Information Security
- The Need for Security
- Legal, Ethical, and Professional Issues in Information Security
- Planning for Security

- Risk Management
- Security Technology: Access Controls, Firewalls, and VPNs
- Cryptography
- Physical Security
- Implementing Information Security
- Security and Personnel
- Information Security Maintenance

General Education Goals/Objectives:

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

Classroom Policies:

- Students are required to complete all class activities.
- Attendance is required. Absences and arrangements must be made with the instructor prior to class time.
- Bring textbooks, electronic storage devices, and writing tools to each class.
- 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.

Assignments are DUE on the date that is listed on Blackboard, unless changed by the instructor. Any assignments that are 1 week late will be deducted 5 points per assignment. Any assignments that are more than 1 week late will not be accepted.

TESTS: Quizzes and /or Exams CANNOT be made up if they are missed.

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:

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.

Disabilities and Special Needs:

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact your instructor and the Learning Center as early as possible during the beginning of the semester.