

Sul Ross State University

The Homeland Security and Criminal Justice Department

COURSE DESCRIPTION

2026 Spring CJ 5338 - Cybersecurity

This course provides a comprehensive exploration of cybersecurity principles, strategies, and practices. Topics include threat analysis, risk management, network security, cryptography, and emerging trends in cybersecurity. Students will gain both theoretical knowledge and practical skills to analyze, defend, and secure information systems.

COURSE OBJECTIVES

When you finish this course, you will know how to:

- Define, Analyze, and assess cybersecurity threats and vulnerabilities.
- Apply cryptographic and network security techniques.
- Design and implement security policies and risk mitigation strategies.
- Understand legal, ethical, and regulatory issues in cybersecurity.
- Evaluate emerging trends and challenges in the cybersecurity landscape.

INSTRUCTOR INFO

Said Varlioglu

Email: msv20iy@sulross.edu

Office Hours: Video calls by appointment

COURSE CALENDAR:

Module	Begin Date	Topic	Assignments
1	Week 1	- Introduction to Cybersecurity	- Discussion Board 1 - Module 1 Assignment
2	Week 2	- Cyber Threats and Vulnerabilities	- Discussion Board 2 - Module 2 Assignment
3	Week 3	- Risk Management in Cybersecurity	- Discussion Board 3 - Module 3 Assignment
4	Week 4	- Cryptography Fundamentals	- Discussion Board 4 - Module 4 Assignment
5	Week 5	- Networking Fundamentals for Security	- Discussion Board 5 - Module 5 Assignment
6	Week 6	- Operating System and Application Security	- Discussion Board 6 - Module 6 Assignment
7	Week 7	- Access Control	- Discussion Board 7 - Module 7 Assignment
SEMESTER BREAK			No Assignment
8	Week 8	- Security Operations and Incident Response	- Discussion Board 8 - Module 8 Assignment
9	Week 9	- Ethical Hacking and Penetration Testing	- Discussion Board 9 - Module 9 Assignment

Course Syllabus

10	Week 10	- Cybersecurity in Critical Infrastructure	- Discussion Board 10 - Module 10 Assignment
11	Week 11	- Threat Intelligence and OSINT	- Discussion Board 11 - Module 11 Assignment
12	Week 12	- Digital Forensics	- Discussion Board 12 - Module 12 Assignment
13	Week 13	- Malware and Analysis Techniques	- Discussion Board 13 - Module 13 Assignment
14	Week 14	- Final Presentation	- Final Assignment
FINAL		- Final Week – Course Evaluation - Final Presentations	- Course Evaluation - Final Presentation

PERSONAL COMPUTER REQUIREMENT

You are expected to have a personal computer during the course.

COURSE POLICIES**Instructor Communication**

Email is the best way to reach me. We can also meet in a video call if you need. The zoom link is above. As an Adjunct Instructor, I do not have an office on campus.

Grading

Your grade in this course will consist of the following categories.

Grading Scale:

- 90 - 100 = A
- 80 – 89 = B
- 70 - 79 = C
- 60 – 69 = D
- <60 = F

Grade Book Item	Weights
Assignments	70%
Discussion Boards	20%
Final Presentation	10%
Total	100%

SRSU LIBRARY SERVICES

The Sul Ross Library offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, www.library.sulross.edu . Off-campus access requires your

2026 Spring CJ 5338 – Cybersecurity **Course Syllabus**

Lobold and password. Check out materials using your photo ID. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

Once you logged in to your Sul Ross Account on Blackboard you should be automatically connected to the library webpage as well. Thus, you can browse the online databases of the University and reach the articles on the reading list.

Syllabus is subject to updates and changes always look to the course announcements and reminders for updates. The faculty member reserves the right to amend this syllabus as needed.

STUDENTS WITH SPECIAL NEEDS:

ADA (Americans with Disabilities Act) Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Students seeking accessibility/accommodations services must contact Rebecca Greathouse Wren, LPC-S, SRSU's Accessibility Services Coordinator at 432-837-8203 (please leave a message and we'll get back to you as soon as we can during working hours), or email rebecca.wren@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

STUDENT SUPPORT SERVICES AND BLACKBOARD HELP DESK

Sul Ross State University has established a variety of programs to help students meet the challenges of college life. Support to students includes advising, counseling, mentoring, tutoring, supplemental instruction, and writing assistance. For a complete list of academic support services, visit the Student Support Services <https://www.sulross.edu/section/311/student-support-services>. For more information, students are encouraged to contact SSS at (432) 837-9118 or visit Ferguson Hall Room 105. For Blackboard help visit <https://www.sulross.edu/bb> or call 432-837-8523 (M-F 09:00 am-06:00 pm). You can get The Distance Education Handbook at <https://tvpb.sulross.edu/start/index.html>