



COURSE OUTLINE: CJS420 - SECURITY HARDWARE

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Approved: Karen Hudson - Dean

Course Code: Title	CJS420: SECURITY HARDWARE
Program Number: Name	1225: PROTECTION SECURITY
Department:	CRIMINAL JUSTICE
Academic Year:	2025-2026
Course Description:	This course will introduce the student to the various categories of protective hardware, their application and limitations. Hands-on opportunities will allow the student to see and use a variety of hardware components and develop skills in applying hardware to selected facilities. Software applications which support security options will also be examined and utilized.
Total Credits:	3
Hours/Week:	3
Total Hours:	42
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course:	1225 - PROTECTION SECURITY
Please refer to program web page for a complete listing of program outcomes where applicable.	VLO 1 Work in compliance with established standards and relevant legislation in the protection, security and investigation fields.
	VLO 2 Make decisions in a timely, effective and legally defensible manner to uphold protection and security.
	VLO 3 Carry out delegated duties and responsibilities in compliance with organizational policies and procedures.
	VLO 4 Act equitably and justly with diverse populations.
	VLO 5 Work effectively as a member of a protection and security team.
	VLO 6 Prevent and resolve crisis, conflict and emergency situations by applying effective techniques.
	VLO 7 Conduct and/or contribute to investigations by collecting, preserving and presenting admissible evidence.
	VLO 8 Monitor, evaluate and accurately document behaviours, situations and events.
	VLO 9 Develop and implement ongoing effective strategies for personal and professional development.
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
	EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.
	EES 4 Apply a systematic approach to solve problems.
	EES 5 Use a variety of thinking skills to anticipate and solve problems.



- EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
- EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
- EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
- EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- EES 10 Manage the use of time and other resources to complete projects.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

Course Evaluation:

Passing Grade: 60%, C

A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. List and define the elements of risk analysis.	1.1 List and discuss the impacts of honesty studies on risk management 1.2 List and describe security facts that impact of risk management 1.3 Understand the loss to sales ratio concept 1.4 List and describe the concepts of rational choice and the approaches to defeat criminal activity 1.5 List and describe the element of crime and their impact on risk management 1.6 List and describe the loss event triangle and its implication on risk management 1.7 Understand the implication of security versus civil liberty and its impact on risk management 1.8 List and describe the sources of loss and their implication on risk management 1.9 List and describe the laws of loss prevention 1.10 List and describe the levels of security 1.11 List and describe today`s threat environment 1.12 Define and explain the term risk management` 1.13 Describe and define the term probability of risk 1.14 Describe and define the term vulnerability to risk 1.15 Describe and define the term loss event criticality 1.16 List and describe the elements of risk reduction
Course Outcome 2	Learning Objectives for Course Outcome 2
2. List and define the process of conducting loss control/loss prevention and security surveys.	2.1 List and define the construction standards and requirements for security 2.2 List and discuss the performance goals of a security system 2.3 List and discuss the elements of a survey 2.4 Conduct and provide a written loss control/loss prevention/security survey of a business.
Course Outcome 3	Learning Objectives for Course Outcome 3
3. List and describe the	3.1 List and discuss the purposes of barriers



attributes/types of barriers.	3.2 List and discuss the considerations for barrier protection 3.3 List and discuss the requirements of barrier types
Course Outcome 4	Learning Objectives for Course Outcome 4
4. List and describe the attributes/types of locking mechanisms.	4.1 List and discuss the strengths and weaknesses of locks 4.2 List and discuss the considerations for locking devices 4.3 Identify and discuss the types of locking devices 4.4 Identify the basic parts of locking devices 4.5 Identify the types of locking bolt types 4.6 Identify and describe the types of keyed locking mechanisms 4.7 Identify and describe the processes of key control
Course Outcome 5	Learning Objectives for Course Outcome 5
5. List and describe the attributes/types of doors and windows	5.1 Identify door types and materials used for security 5.2 Identify door standards for security 5.3 Identify security considerations for windows 5.5 Identify the types of windows
Course Outcome 6	Learning Objectives for Course Outcome 6
6. List and describe the attributes/types of close circuit television.	6.1 Identify and discuss the purpose of CCTV 6.2 Identify the components of a CCTV system 6.3 Identify and discuss the advantages and disadvantages of CCTV
Course Outcome 7	Learning Objectives for Course Outcome 7
7. List and describe the attributes/types of alarm systems.	7.1 List and describe the purposes of intrusion detection systems (alarms) 7.2 List and discuss the factors affecting the operation of alarms 7.3 List and describe the types of alarms and their attributes
Course Outcome 8	Learning Objectives for Course Outcome 8
8. List and discuss the attributes/types of access control.	8.1 List and discuss the issues of access control 8.2 List and discuss personnel access control systems 8.3 List and discuss vehicle access control systems
Course Outcome 9	Learning Objectives for Course Outcome 9
9. List and discuss lighting control systems.	9.1 List and discuss the general requirements for lighting 9.2 List and discuss the principles of protective lighting 9.3 List and discuss the types of lighting, lamps, and purpose of each 9.4 List and discuss the employment of lighting factors
Course Outcome 10	Learning Objectives for Course Outcome 10
10. List and discuss security containers and storage areas.	10.1 List and discuss the types of containers 10.2 Describe the burglary and fire protection concept for containers

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Final Examination	40%



	Mid Term Examination	30%
	Survey Project	30%

Date: June 17, 2025

Addendum: Please refer to the course outline addendum on the Learning Management System for further information.