Montgomery County Community College
CJS 253
Transportation & Border Security
3-3-0

COURSE DESCRIPTION:
This course provides an in-depth view of modern border and transportation security. Specific topics of study will include security for ships and seaports; aircraft and airports; trains, ground transportation, and their related terminals; commercial trucking; pipelines and power transmission; bridges and tunnels; and major border-crossing control points. Existing and emergent technologies needed to detect terrorists, their weapons, and inherent vulnerabilities in infrastructure, will be a special emphasis of the course, along with discussion of the legal, economic, political, and cultural aspects of transportation safety and border security.

REQUISITES:
Previous Course Requirements
  – CJS 251 Introduction to Homeland Security

Concurrent Course Requirements
None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Outline the essential characteristics of national and international acts of terrorism as they relate to all modes of transportation.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
2. Construct a historical timeline reflecting significant transportation-related terrorist threats and events in the United States and globally.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study
3. Differentiate between natural and man-made threats to transportation systems in terms of likely outcomes and strategies for prevention and mitigation.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study
4. Identify the characteristic vulnerabilities of various kinds of transportation systems.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
5. Apply knowledge of the impact of technology on both the presentation of threats, and the countering of threats to transportation systems to the design of security measures.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study
6. Discuss differences in dealing with security threats for passenger versus freight transportation systems.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study
7. Classify the roles, functions of, and interdependencies among local, state, federal, and international law enforcement and intelligence agencies engaged in fostering border security.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
8. Create effective strategies for local, state, national and international law enforcement agencies, aimed at generating useful information and intelligence for the purposes of protecting transportation systems, passengers and cargos, and international border crossing-points.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study
9. Write clear, concise and accurate reports providing factual information, accurate data analysis, and sound recommendations, relating to transportation and border security.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Technology Utilization (Computer and Internet)	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria*.

SEQUENCE OF TOPICS:
1. Introduction and Course Overview
2. Importance of the Global Transportation System (air, sea, rail)
3. Importance of the Global Transportation System (truck, road, pipeline)
4. Protection of Transportation Facilities
5. Cargo Screening
6. International Threats and Counter-measures
7. Basic Personnel Security – Procedures and Policy
8. Physical and Procedural Security
9. Government Security Agencies (fed, state, local)
10. Cargo Screening Equipment
11. New Technologies
12. Twenty-first Century Threats

LEARNING MATERIALS:
Bragdon, Clifford R. (2008). *Transportation Security*. Butterworth/Heinemann.

Textbooks are retained or changed at the discretion of the division. The decision to retain or change a textbook will be effective with the Fall term. When a textbook is retained, its latest edition will be adopted as of the Fall term.

Various internet resources and supplementary readings may be assigned.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:
Prepared by: Benn Prybutok   Date: 8/16/2010
Interim VPAA/Provost Compliance Verification:
        Victoria L. Bastecki-Perez, Ed.D.   Date: 11/16/2010

Revised by: Benn Prybutok   Date: 2/22/2013
VPAA/Provost or designee Compliance Verification:
        Victoria L. Bastecki-Perez, Ed.D.   Date: 2/25/2013

Revised by: Jayden Sampson   Date: 12/16/2017
VPAA/Provost or designee Compliance Verification: Date: 12/18/2017

This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.