Course Prefix and Number: ADJ 169   **Credits:** 3

Course Title: Transportation and Border Security

Course Description: Discusses substantive issues regarding transportation security within the role of Homeland Security measures implemented by the United States. Introduces the student to and examines global preparedness from a transportation perspective. Considers the interrelationship among natural disasters and sustainable infrastructure. Describes intermodal and integrated transportation and physical models of movement and discusses mobility as a cultural lifeline. Lecture 3 hours per week.

General Course Purpose: The purpose of this course is to provide students with fundamental information pertaining to transportation and border security issues as they relate to Homeland Security.

Course Prerequisites and Co-requisites:
None

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Outline primary federal and state/local agencies in the US affiliated with Border Security;
b. Construct a historical timeline reflecting significant transportation-related terrorist threats and events in the United States and globally;
c. Have a general understanding of the modes of transportation and their industries as it may impact security;
d. Identify general vulnerabilities and risks in transportation systems and border security systems;
e. Demonstrate knowledge of the impact of technology on countering threats to transportation systems and border security;
f. Discuss differences in dealing with security threats for passenger versus freight/cargo transportation systems including the impact on supply chain logistics; and
g. Classify the roles, functions, and interdependency among local, federal, and international law enforcement and military agencies to foster border security.

Major Topics to Be Included:
a. The complex issues involving the relationship between transportation security and a nation's physical and economic security
b. The correlation between logistics transformation, transportation security, and national security
c. The systems approach to transportation security
d. A theoretical framework to help explain how governmental policies translate into actions taken in commercial enterprises and describe some of the psychosocial and behavioral outcomes
e. Security issues and threats against the road transportation system
f. Entities responsible for aviation security and the roles they play in protecting passengers and infrastructure

g. The separate areas of the airport and the respective associated personnel, technologies, and process
h. The envisioned future of aviation security--the anticipated increase in passengers, as well as new and emerging technologies
i. An overview of maritime security issues at sea and in port and specific regulatory requirements
j. Holistic security
k. Available military situational awareness systems
l. The key characteristics of situational awareness security technology
m. The importance of immigration and national security issues that countries must focus on to protect their borders
n. The security-based global model

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