

J. Sargeant Reynolds Community College
Course Content Summary

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

Course Objectives:

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

Effective Date of Course Content Summary: Fall, 2016