

## **INSTITUTIONAL SYLLABUS - GBTT 460-01 PRINCIPALS OF GLOBAL SUPPLY CHAIN SECURITY – FALL 2013**

### **I. COURSE DESCRIPTION**

The course depicts security as a control mechanism in several major channels in the supply chain; e.g. in human resources confidentiality of employee records; in logistics cargo and passenger security; in communications encrypted email and hacker-free databases; in finance sanctity of credit cards and identity; and in marketing protection of intellectual property. Students will engage in a team research project as a practicum for learning how to develop and conduct vulnerability assessments and security planning. A major underlying course theme is that security can only be successfully developed and implemented in context of the cultural, economic, and political contexts of the supply chain processes for which it serves as a control mechanism.

Prerequisite(s): GBUS 100 and Junior standing

Corequisite(s): None

Follow-On Courses: None

Role in Curriculum: Minor Course

### **II. TEXT(S)**

A. Required Text(s): All required textual material will be distributed in class

B. Supplemental Material: Any supplemental will be distributed in class

### **III. STUDENT LEARNING OBJECTIVES**

A. Course Objectives. The student will be able to...

1. Describe the general nature of the global supply chain including reach, range, structure, and behavior.
2. Identify the sources of vulnerabilities that give rise to security concerns
3. Quantify, at an order-of-magnitude level, the potential impact of these concerns.
4. Recommend general means of preventing, mitigating, and recovering from these concerns.

### **IV. COURSE ASSESSMENTS**

A. Assessments in Class

1. Quality of contribution to discussions
2. Participation in team-based activities
3. Attendance

B. External Assessments

1. Grades on papers

## V. ACCOMMODATIONS FOR STUDENTS WITH LEARNING DISABILITIES

*If you believe that you need accommodations for a disability (also referred to as IEPs and 504 plans), please notify me within the first week of class and contact the Office of Accessibility Services at (718) 409-7348 or email Dean Tardis Johnson at [tjohnson@sunymaritime.edu](mailto:tjohnson@sunymaritime.edu) for an appointment to discuss your needs and the process for requesting accommodations. Since accommodations may require early planning and generally are not provided retroactively, please contact Accessibility Services as soon as possible!*

## VI. ACADEMIC INTEGRITY POLICY

Absolute integrity is expected of every Maritime student in all academic undertakings.

A Maritime student's submission of work for academic credit indicates that the work is the student's own. All outside assistance should be acknowledged, and the student's academic position truthfully reported at all times. In addition, Maritime students have a right to expect academic integrity from each of their peers.

Students are expected to do their own work in class, on assignments, laboratory experiments, and examinations or tests in accordance with the directions given by the instructor. It is the responsibility of all students to read and understand this statement of College policy on academic integrity. Maritime College considers the violation of academic integrity a serious matter, and one that will be treated as such.

A student who violates academic integrity may, depending on the nature of the offense, be subject to one or more of the following measures: failure of the assignment or examination, failure of the course, dismissal from the Regiment of Cadets, or dismissal from the College. Violations of academic integrity, also known as academic dishonesty, are subject to review by the Judicial Board. For details, go to:

[http://www.thezonelive.com/zone/02\\_SchoolStructure/NY\\_SUNYMaritimeCollege/handbook.pdf](http://www.thezonelive.com/zone/02_SchoolStructure/NY_SUNYMaritimeCollege/handbook.pdf)

**ALL ACADEMIC INTEGRITY VIOLATIONS WILL BE REPORTED TO THE  
DEAN OF STUDENTS**

**COURSE SYLLABUS - GBTT 460-01 PRINCIPALS OF GLOBAL SUPPLY CHAIN SECURITY – FALL 2013**

**I. INSTRUCTOR INFORMATION**

- A. James Drogan, 728-409-7289 [jdrogan@sunymaritime.edu](mailto:jdrogan@sunymaritime.edu)
- B. Office Hours: 9AM – 3PM Monday through Thursday

**II. CLASS MEETINGS**

- A. Thursdays, 300PM – 530PM Fort A06

**III. CLASS POLICIES**

- A. Attendance is mandatory. Three unexcused absences will result in dismissal from the class. Please let the instructor know as soon as possible of expected absences.

**IV. GRADING**

- A. Three papers: 15, 15, and 40.
- B. Attendance: 10
- C. In-class Participation: 10
- D. Team Assessment: 10
- E. Final Exam: 50

Total points: 150

- F. There is no provision for extra credit and make-up work in this course
- G. Grades are determined by the of earned points to total points. Letter grades are assigned on the basis of the following table:

%	GPA	Grade
100%	4	A
93%	4	A
90%	3.7	A-
87%	3.3	B+
83%	3	B
80%	2.7	B-
77%	2.3	C+
73%	2	C
70%	1.7	C-
67%	1.3	D+
63%	1	D
0%	0	F

## V. COURSE OUTLINE

Note that this outline is subject to change.

### A. An Introduction to Course

1. What is to be studied; why and how; general structure of the course; introduction to principles, the global supplies chain, and security; expectations.
2. Reading
  - a. An Introduction to Logistics and the Supply Chain (Drogan, 2009c)
  - b. An Introduction to System Design and Control (Drogan, 2008)
  - c. Ethics, Critical Thinking, and Communication (Drogan, 2009b)
  - d. The Context of Interest (Drogan, 2009a)

### B. The Global Supply Chain

1. An examination of the global supply chain; structure and performance.
2. Reading
  - a. Forthcoming

### C. Security

1. Definition of security; assessment of vulnerabilities and threats; strategies and tactics for prevention and mitigation.
2. Reading
  - a. Introduction to Security (Fischer, Halibozeck, & Green, 2008 selected pages)  
  
or  
  
b. (Ritter, Barrett, & Wilson, 2012 selected pages)

### D. Principles

1. Definition of principles; discovery of those that apply in the context of this course.
2. Reading
  - a. Forthcoming
3. *Special Note*

*The first four modules of this course establish a framework for understanding remarks by practitioners in the fields of global supply chains and security.*

### E. Guest Lecturer on Global Supply Chain

1. Chris Petrocelli, Director of Client Soutions, UTi United States (invited)

### F. Guest Lecturer on Security

1. Richard A. Rotanz, Chief Operating Officer, SeaAway

2. *Special Note*

*The first six modules of this course provide a set of knowledge to be applied in the remaining eight modules. These modules are heavily discussion oriented and feature assignments generated by the discussion that will be due on dates to be decided.*

G. Selecting the Global Supply Chain of Interest

1. Discuss and select a target global supply chain for analysis; establish a work plan for the research and writing of the course deliverable, *Mitigation of Vulnerabilities in the Global Supply Chain Through the Application of Security Principles*.
2. Paper due: *The Global Supply Chain: What It Is, How It Works*

H. Analysis of Structure

1. Describe the structure of the global supply chain; data, processes, organizations; flows of information.

I. Analysis of Performance

1. Determine the performance of the global supply chain; metrics; measurement points and methods.

J. Identification of Vulnerabilities

1. Identify vulnerabilities in the global supply chain.

K. Analysis of Vulnerabilities

1. Impacts and probabilities.
2. Paper due: *Vulnerabilities in the Global Supply Chain: Identification and Impact*

L. Drawing Conclusions

1. Integrate the results of the analysis; decide significant vulnerabilities

M. Recommendations

1. Actions to prevent and mitigate the occurrence of significant vulnerabilities; fallback and recovery.

N. Discussion of the Final Report

1. After action review of the final paper.
2. Paper due: *Prevention and Mitigation of Vulnerabilities in the Global Supply Chain Through the Application of Security Principles*

## O. Schedule of Classes

#	Date	Topic
1	8/29/13	An Introduction to Course
2	9/5/13	The Global Supply Chain
3	9/12/13	Security
4	9/19/13	Principles
5	9/26/13	Guest Lecturer on Global Supply Chain
6	10/3/13	Guest Lecturer on Security
7	10/10/13	Selecting the Global Supply Chain of Interest
8	10/17/13	Analysis of Structure
9	10/24/13	Analysis of Performance
10	10/31/13	Identification of Vulnerabilities
11	11/7/13	Analysis of Vulnerabilities
12	11/14/13	Drawing Conclusions
13	11/21/13	Recommendations
14	12/4/13	Discussion of the Final Report

## P. Final Examination

1. To be scheduled during the week beginning December 9.
2. Form: short paper to be written during the examination.

## REFERENCES

- Drogan, J. (2008). An Introduction to System Design and Control. Retrieved from <http://jmsdrgn.squarespace.com/storage/An%20Introduction%20to%20System%20Design%20and%20Control.pdf>
- Drogan, J. (2009a). *The Context of Interest*.
- Drogan, J. (2009b, February 3). Ethics, Critical Thinking, and Communications. Retrieved from <http://jmsdrgn.squarespace.com/storage/Ethics%20Critical%20Thinking%20and%20Communications.pdf>
- Drogan, J. (2009c, July 31). An Introduction to Logistics and the Supply Chain. *jmsdrgn.squarespace.com*. Retrieved August 19, 2009, from <http://jmsdrgn.squarespace.com/storage/An%20Introduction%20to%20Logistics%20and%20the%20Supply%20Chain.pdf>
- Fischer, R. J., Halibozek, E., & Green, G. (2008). *Introduction to Security* (8th ed.). Butterworth-Heinemann.
- Ritter, L., Barrett, J., & Wilson, R. (2012). *Securing Global Transportation Networks*. McGraw-Hill Professional.