American Public University System

The Ultimate Advantage is an Educated Mind

School of Business
TLMT 331
Fundamentals of Intermodal Transportation
3 Credit Hours
8 Weeks
Prerequisite(s): None

Please see the **Lessons** area in the classroom for additional course specific information

Table of Contents

Course Description	Course Scope	Course Materials
Course Objectives	Course Outline	Course Delivery Method
Academic Services	Policies	Turnitin.com

Course Description (Catalog)

This course is designed to provide students with a familiarization of the modern transportation world. The course examines the United States/North American/CONUS and international commercial freight systems, with an emphasis on intermodal surface transportation. We will investigate and research applications, costs, pricing, planning, transportation regulations, and challenges facing the transportation industry. You will be introduced to Electronic Data Interchange (EDI), as well as other computer applications and modeling used in transportation management. Suffice it to say - our transportation industry has a lot more efficiency to be gained – which translates into job opportunities for those employed in this ever expanding and improving field of employment.

Course Scope

This course is designed to reflect contemporary transportation practices. The course focuses on the movement of intermodal freight throughout the business world using various transportation modes (i.e. rail, tractor-trailer, ship, airplane) that work in concert to efficiently move cargo with today's equipment and management practices. Intermodal transportation is the process that facilitates operation of the nation's Supply Chain working as well as it does today. Think of the DHL TV commercial where a piggyback train of flatcars loaded with DHL trailer units passes the UPS and FEDEX trucks at a railroad crossing. That's intermodal transportation – the merging of rail and tractor-trailer modes of transportation into an extremely efficient means of moving freight. Intermodal's flexibility enables businesses today to offer Just-in-Time (JIT) programs that get products where they are needed – when

they are needed – and no sooner than needed, as well as specialized global distribution, marketing, warehousing, and sales. Intermodal freight now ranks 2nd only to coal shipments in ton/miles shipped and revenue earned by the railroads in the United States - while the maritime industry has tailored their ship schedules to allow for this efficient cargo and trade mode of transportation.

Author	Book Title	Publication Info	ISBN
Konings, et. al	The Future of Intermodal Freight Transportation	Edward Elger Publishing 2008	978-1-84542-238-7

Please visit http://apus.libguides.com/er.php and search by the course number (ex: LITR210) to access your required resources.

Course Objectives

After successfully completing this course, graduate students will fulfill the following Learning Objectives (LO):

1. Define intermodal transportation.
2. Differentiate intermodal transportation between the United States and Europe.
3. Compare shipping impacts before and after government regulation.
4. Explain the impact that standardization of containers has on intermodal transportation.
5. Evaluate the use of intermodal freight network modeling in transportation planning.
6. Identify the historical changes in shipping.
7. Describe the challenges presented by the growth of intermodal shipping at ports throughout the United States.

Course Outline

Week	Topic(s)	Learning Objective(s)
1	* What is intermodal transportation	* Define intermodal transportation.
2	* Rail and Road Transportation in Europe * Intermodal transportation in the US	* Compare shipping impacts before and after government regulation.

3	* Intermodal trans. in Japan…obstacles and potential benefits. * Intermodal movements between seaports and the inland (hinterland) issues and processes	*Understand Intermodal trans. and the impact on the environment *Understand Obstacles to intermodal trans. *Understand the basics of design of freight flows and networks *Understand the concepts of bundling
4	* Container terminal handling quality * Container handling in main ports…the future	* Understand the importance of container handling quality, its importance, factors, and methods of evaluation * Understand the trends affecting main port development. *Understand how future trends will drive main port development…how will they adjust to maintain competitiveness.
5	* The Agile Port System * Technical and Concept Innovations and their impact on intermodal design and network bundling	* Understand the basics of the agile port system and the impact that technology and improved processes have on performance. * Improve your understanding of bundling, network design and the impact that innovation are having on performance and design.
6	* Designing intermodal trans. systems * Intermodal trans. modeling	* Improve the understanding intermodal network design and critical factors that need to be considered. * Evaluate the use of intermodal freight network modeling in transportation planning.
7	* Interconnectivity and interoperability * Inter-organizational coordination and information technology	* Understand the concepts of interconnectivity and interoperability barriers and impact on intermodal trans networks *Understand the importance of the flow of information, organization design and the impact of information technologies
8	* The future of intermodalism *Development strategies for intermodal trans in Europe *US Gov. and intermodal trans. Innovations obstacles	* Understand the obstacles associated with the continued improvement of intermodal trans. * Debate the role of Goverment in spurring innovation in intermodal trans.

Course Delivery Method

This course delivered via distance learning will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. Online assignments are due by Sunday evening of the week as noted and include Forum questions (accomplished in groups through a threaded forum), examination, and individual assignments submitted for review by the Faculty Member). Assigned faculty will support the students throughout this eight-week course.

Policies

Please see the Student Handbook to reference all University policies. Quick links to frequently asked question about policies are listed below.

> Drop/Withdrawal Policy
> Plagiarism Policy
> Extension Process and Policy
> Disability Accommodations

Grading Scale
Please see the Student Handbook to reference the University's grading scale.

Citation and Reference Style
Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

Netiquette
Online universities promote the advancement of knowledge through positive and constructive debate – both inside and outside the classroom. Forums on the Internet, however, can occasionally degenerate into needless insults and "flaming." Such activity and the loss of good manners are not acceptable in a university setting – basic academic rules of good behavior and proper "Netiquette" must persist. Remember that you are in a place for the rewards and excitement of learning which does not include descent to personal attacks or student attempts to stifle the Forum of others.

- **Technology Limitations:** While you should feel free to explore the full-range of creative composition in your formal papers, keep e-mail layouts simple. The Sakai classroom may not fully support MIME or HTML encoded messages, which means that bold face, italics,

underlining, and a variety of color-coding or other visual effects will not translate in your e-mail messages.

- **Humor Note:** Despite the best of intentions, jokes and *especially* satire can easily get lost or taken seriously. If you feel the need for humor, you may wish to add "emoticons" to help alert your readers: ;-), :), ☺

Disclaimer Statement

Course content may vary from the outline to meet the needs of this particular group.

Academic Services

The Online Library is available to enrolled students and faculty from inside the electronic campus. This is your starting point for access to online books, subscription periodicals, and Web resources that are designed to support your classes and generally not available through search engines on the open Web. In addition, the Online Library provides access to special learning resources, which the University has contracted to assist with your studies. Questions can be directed to **librarian@apus.edu**.

- *Charles Town Library and Inter Library Loan:* The University maintains a special library with a limited number of supporting volumes, collection of our professors' publication, and services to search and borrow research books and articles from other libraries.
- *Electronic Books:* You can use the online library to uncover and download over 50,000 titles, which have been scanned and made available in electronic format.
- *Electronic Journals:* The University provides access to over 12,000 journals, which are available in electronic form and only through limited subscription services.
- *Tutor.com*: AMU and APU Civilian & Coast Guard students are eligible for 10 free hours of tutoring provided by APUS. Tutor.com connects you with a professional tutor online 24/7 to provide help with assignments, studying, test prep, resume writing, and more. Tutor.com is tutoring the way it was meant to be. You get expert tutoring whenever you need help, and you work one-to-one with your tutor in your online classroom on your specific problem until it is done.
- *Disability Accommodations*: Students are encouraged email dsa@apus.edu to discuss potential academic accommodations and begin the review process.

Request a Library Guide for your course (http://apus.libguides.com/index.php)
The AMU/APU Library Guides provide access to collections of trusted sites on the Open Web and licensed resources on the Deep Web. The following are specially tailored for academic research at APUS:

- Program Portals contain topical and methodological resources to help launch general research in the degree program. To locate, search by department name, or navigate by school.
- Course Lib-Guides narrow the focus to relevant resources for the corresponding course. To locate, search by class code (e.g., SOCI111), or class name.

If a guide you need is not available yet, please email the APUS Library: librarian@apus.edu.

Turnitin.com

Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.