American Public University System

The Ultimate Advantage is an Educated Mind

School of Business
TLMT 501
Transportation Policy and Planning
3 Credit Hours
8 Weeks
Prerequisite: None

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

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Course Description (Catalog)

This course demonstrates the 21st century importance of strategic transportation and logistics planning in contributing to corporate profits, customer service enhancements leading to higher sales and a marketing weapon to gain sustainable competitive advantage. The importance of moving information becomes equal to the movement of goods. Managerial perspectives are offered on aligning corporate planning, technology, financial controls and logistics performance measurement. We will also gain an overview on the interaction among stakeholders in the public and private sectors in aligning public policy with global uncertainties.

Course Scope

The purpose of this course is to provide students with a managerial perspective of three major supply chain logistical elements: inventory, warehouses, and transportation. The course is eight weeks in duration and encompasses all material flows, from the flow of purchased materials into a facility, through the manufacturing process, and out to the final customers. It demonstrates how improved management of supply chain logistics can lead to improvements in customer service, with simultaneous reductions in total inventory, transportation, and warehousing costs.

Instruction is primarily textbook-driven with a variety of learning activities, including forum topics, videos, case studies, research, planning, and presentations. The course textbook is a comprehensive reference detailing manufacturing planning and control while providing industry case studies and an overview of supply chain management logistics.

Course Materials

Textbook
Jacobs, R.F., Berry, W., Whybark, D., & Vollman, T. Manufacturing planning and control for supply chain management , 6th edition. New York: McGraw-Hill Higher Education, 2011.
Cousesmart website: http://www.coursesmart.com/IR/3891461/007739612x

Course Objectives

In addition to the institutional and degree level learning outcomes objectives, the Master of Arts in Transportation and Logistics Management also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to do the following:

1. Apply economic principles to evaluate the performance of a transportation system.
2. Analyze the history, pattern, and impact of laws and regulation on the various modes of transportation in the United States.
3. Evaluate the importance of transportation at the organizational and national levels.
4. Examine global transportation issues, to include systems, documentation, providers, and challenges in international transportation.
5. Contrast and compare buyer/seller relationships, third-party relationships, negotiations, bidding, contracts and the challenges of relationship management in transportation.
   table

Course Outline

Week	Learning Outcome(s)	Topic(s)
1	2, 3	Management of Supply Chain Logistics
2	1, 2, 3	Enterprise Resource Planning Manufacturing Planning and Control
3	1, 2, 4	Demand Management Forecasting
4	1, 2, 4	Sales and Operations Planning Master Production Scheduling Optional: Advanced Sales and Operational Planning
5	1, 2, 4	Material Requirements Planning Capacity Planning and Utilization Optional: Advanced MRP
6	1, 2, 4	Production Activity Control Just-in-Time Optional: Advanced Scheduling

7	1, 2, 4	Distribution Requirements Planning
		Order Point Inventory Control Methods
8	5	Strategy and MPC System Design
		Reflection

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 <u>especially</u> 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.

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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.