

# TRA: Transportation and Logistics Courses

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## Courses

### TRA 3153 Strategic Transportation Management

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [MAR 3202](#)

Presents the fundamental elements necessary to plan transportation systems. It examines the importance of transportation in the economy and the strategic and operational roles of transportation in supply chains. Emphasis is placed on domestic and global transportation operations, services pricing, carrier selection, equipment and shipment planning, transportation execution systems, intermodal operations, security, and expanded services in distribution.

### TRA 3234 Warehousing and Terminal Management

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [MAR 3202](#)

Planning and managing the flow of materials, parts and finished goods from suppliers, through production and final distribution to customers. Domestic distribution and import/export intermodal terminal operations are examined to understand how decisions and performance pertaining to such operations influence service quality, total cost to the organization and total cost for the entire supply chain.

### TRA 3440 Introduction to Air Transportation

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [ECO 2023](#) AND [MAR 3202](#)

Intro to airline and corporate flight operations and management including economic structure of the airlines, organization and management, forecasting, scheduling, marketing and fleet selection. Cargo carriers, corporate flight operations, and the impact of general aviation fixed base operations on the nation's air transportation system are explored. Also introduces the student to the world of flight operations management dispatch, crew scheduling, airframe scheduling and flight following.

### TRA 3444 Air Cargo and Aviation Logistics

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [ECO 2023](#) AND [MAR 3202](#)

This course develops an economic overview of the air cargo industry. It introduces the student to the air freight supply chain and covers the specific areas of cargo operations and ground handling, temperature controlled operations, hazardous cargo management, legal issues, aircraft selection, air cargo agency, aircraft financing, and others.

### TRA 4155 Seminar in Supply Chain Logistics Strategy

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [MAR 3202](#) AND [TRA 4202](#)\*

Seminar in Supply Chain Logistics Strategy provides active learning opportunities for students to evaluate current strategic issues in managing logistics and transportation throughout consumer and industrial supply chains. Today's supply chains require managers to be skilled in evaluating complex business logistics situations and in making decisions that have immediate and long-term corporate implications. The real-world and live case-based materials are designed to help students develop high-level analytical and decision-making skills pertaining to the many logistics operations that influence the service levels and capabilities of domestic and global supply chains. Offered concurrently with [TRA 5159](#); graduate students will be assigned additional work.

### TRA 4202 Logistics Systems and Analytics

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [MAR 3202](#)

Students will learn to make improved business logistics and supply chain management decisions through the practical application of multiple analytical techniques used by managers in the field. Emphasis is placed on supply chain network analysis and design, inventory analysis and decision making, equipment and resource management, information management systems for analyzing and executing logistics decisions, and process management improvements to reduce total logistics cost and improve logistics service. Offered concurrently with [TRA 5206](#); graduate students will be assigned additional work.

### TRA 5159 Seminar in Supply Chain Logistics Strategy

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Prerequisite: [TRA 5206](#)\*

Seminar in Supply Chain Logistics Strategy provides active-learning opportunities for students to evaluate current strategic issues in managing logistics and transportation throughout consumer and industrial supply chains. Today's supply chains require managers to be skilled in evaluating complex business logistics situations and in making decisions that have immediate and long-term corporate implications. The real-world and live case-based materials are designed to help students develop high-level analytical and decision-making skills pertaining to the many logistics operations that influence the service levels and capabilities of domestic and global supply chains. Must have the equivalent of [MAR 3202](#) Supply Chain Logistics Management, or [TRA 3153](#) Transportation Strategy, or [MAN 3504](#) Operations Management. Offered concurrently with [TRA 4155](#); graduate students will be assigned additional work.

**TRA 5206 Logistics Systems and Analytics**

College of Business, Department of Department of Commerce

3 sh (may not be repeated for credit)

Students will learn to make improved business logistics and supply chain management decisions through the practical application of multiple analytical techniques used by managers in the field. Emphasis is placed on supply chain network analysis and design, inventory analysis and decision making, equipment and resource management, information management systems for analyzing and executing logistics decisions, and process management improvements to reduce total logistics cost and improve logistics service. Must have the equivalent of MAR 3202 Supply Chain Logistics Management, TRA 3153 Transportation Strategy, or MAN 3504 Operations Management. Offered concurrently with TRA 4202; graduate students will be assigned additional work.

\* This course may be taken prior to or during the same term.