**LOG 102 - Transportation and Distribution**

**Draft Fall 2012 Course Outline:**

**Other than the Chapters and Cases in the textbook, readings, links to readings or slides are posted in Angel. Additional readings may be assigned or suggested as appropriate.**

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| **LOG 102**  **Week** | **Class meeting**  **(Mondays)** | **Topic Descriptions:**  **(subject to adjustment if we have guest presenters)** | **Assignments and deadlines (Cases are due before class, 4:00 pm, every Monday).** |
| 1 | Sept. 24 | * Course overview and syllabus. * Discuss the weekly cases, tests and project. * Transportation and Distribution’s role in modern logistics and supply chain management. * Transportation as a value-added activity. | Read before class:  - Syllabus  Peruse:  - Session 1 PowerPoint slides  - “Overview of Transportation” slides |
| 2 | Oct. 1 | * History and development of North American transport systems. * Transportation regulation, deregulation, and policy | Read before class:  *- Coyle* Chapters 1, 2, 3  Peruse:  - Session 2 PP slides  Case (submit before class):  2-2 “The Green Team”, page 53 |
| 3 | Oct. 8 | * Costing and Pricing for Transportation * Private Transportation and Fleet Management | Read before class:  - *Coyle* Chapters 4 and 13  Peruse:  - Session 3 PP slides  - “Transportation Costing” slides  Case (submit before class):  3-1 “Who Pays the Price?”, page 90 |
| 4 | Oct. 15 | * Mode and Carrier Selection * Motor carrier transport   GUEST SPEAKER | Read before class:  - *Coyle* Chapter 5  - Mode comparison table  Peruse:  - Session 4 PP slides  - “Motor Carriers” slides  - 3 articles from inbound-logistics.com (web)  - “Port of Tacoma” slides  Case (submit before class):  4-2 “Hardee Transportation (B), page 138 |
| 5 | Oct. 22 | * Rail transport * Air transport | Read before class:  - *Coyle* chapters 6 and 7  Peruse:  - Session 5 PP slides  - “Freight Railroads Background”  - “Impact of the Staggers Rail Act”  - “Railroads” slides  - “Air Carriers” slides  - Article: “A History of Commercial Air Freight” (web)  Case (submit before class):  13-1 “Nittany Products”, page 454 |
| 6 | Oct. 29 | * Water transport (waterways and ocean) * Pipelines * Show 3 short videos (2 on the Marine Highway Initiative and 1 on pipelines) * Intermodal and Special Carriers | Read before class:  - *Coyle* chapter 8  - “Intermodal & Special Carriers” slides  Peruse:  - Session 6 PP slides  - “Domestic Water Carriers” slides  - “Pipelines” slides  Case (submit before class):  “Port of Tacoma Trucking Congestion”  **Midterm exam: Online, due Nov. 2 by midnight** |
| 7 | Nov. 5 | * Transportation and Supply Chain Risk Management * Insurance matters | Read before class:  - Coyle chapter 9  Peruse:  - Session 7 PP slides  Case (submit before class):  9-1 “Young Again Pharmaceuticals”, page 317 |
| 8 | Nov. 12 | * Global transportation Planning and Execution | Read before class:  - *Coyle* Chapters 10 & 11  Peruse:  - Session 8 PP slides  - “Transportation Management” slides  - “Global Transportation Considerations” slides  Case (submit before class):  10-2 “A Megapixel Opportunity”, page 355 |
| 9 | Nov. 19 | Transportation Network Design.  Function of terminals and warehousing in distribution.  Role of transportation intermediaries. | Read before class:  - “Distribution Network Design & Optimization” slides  - “Designing the Distribution Network” article  Peruse:  - Session 9 PP slides  - “15 Key Factors” article  Case (submit before class):  11-1 “Where There’s Smoke…”, page 393 |
| 10 | Nov. 26 | Shipper Process (managing the transportation processes).  Third Party Logistics (3PL).  Discussion of Office Max case. | Read before class:  - *Coyle* Chapter 12  - The Office Max case, to be discussed in class (link in Angel)  Peruse:  - Session 10 PP slides  - “Use of Analytic Hierarchy Process (AHP) for Selection of 3PL Providers”  Case (submit before class):  12-2 “Jetstream Aerospace”, Page 428 |
| 11 | Dec. 3 | Transportation Performance Measures.  Information Management and Technology: TMS  Wrap-up and Review | Read before class:  - *Coyle* Chapter 14  - “Measures for Evaluating Supply Chain Performance in Transport Logistics”  Peruse:  - Session 11 PP slides  Case (submit before class):  14-1 “Green and Lean”, page 478 |
| Final | Dec. 10  Dec. 12 | Final exam due (online; no class)  Project due | **Final exam: Online, due Dec. 10 by midnight.**  **Project: Submit electronically by Wednesday evening, Dec. 12** |