



# Transportation & Logistics

# Technology Integration Final Report

Prepared for: John Wu, Director of Leonard Transportation Center

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June 15, 2009

Dear Dr. Wu,

It is my pleasure to develop this technology integration project for the Transportation and Logistics Curriculum. The intention of this project was to provide a common system infrastructure to support faculty and students learning needs within the Transportation domain. The project I completed used innovative approaches to create labs & guides for in-class student projects using Oracle e-Business. The guides are provided electronically.

Sincerely,

Tony Coulson, Ph.D.

## Project Objective

The objective of this project was to develop course materials and technology as a common thread for the transportation curriculum. The main technology within the course is Oracle e-business.

## Goals

The design created a model that is a supplement to an instructor led course and involve student interactions. To meet the goals of the project, the the project director (Tony Coulson) produced the following:

- Technology learning environment using the latest pedagogically sound online techniques. In this case I created interactive documentation where the user can read the text and then play a sample video that demonstrates the concept.
- Learning materials: Based on Oracle designs, diagrams, and model templates were created to accompany learning labs.

## Learning Outcomes

The purpose of the Oracle technology integration is to give students the opportunity to understand the “back office” systems common in the transportation and logistics industry. The project revolved around specific learning objectives including:

- Students experience the tactical skills to follow system transactions in logistics from procurement to fulfillment, including delivery.
- Students are exposed to logistics best practices and controls.
- Students are able to interpret reports and make decisions related to system outputs.

- The students are exposed to setup options and the decisions processes related to the effective use of those options for the needs of an organization.

## **Deliverables**

The following items were produced:

Student Logistics Guide for both in class and at home practice

Instructor Logistics Guide

System environment setups to ensure guide functionality