

NCTM

NATIONAL CENTER FOR
THERAPEUTICS MANUFACTURING

PHARMACEUTICAL SUPPLY CHAINS

100 Discovery Drive
College Station, TX 77845

October 12th (Wed) and 13th (Thu), 2016

This course presents how supply chain concepts can be used to improve the product quality and reduce consumer risks throughout the life-cycle of a pharmaceutical product while maintaining sustainable business performance. Emphasis will be given to the manufacturing of API's, registered intermediates and critical raw materials. Fundamental supply chain concepts will be presented in the context of the pharmaceutical regulatory environment; topics include supply chain fundamental concepts, inventory management, supplier relationship management, cold logistics systems, and supply chain integration concepts. Class instruction will be complemented with case studies, interactive simulators, and team exercises that will provide opportunities to practice these concepts.

Participants will receive 1.6 CEUs from Texas A&M University upon completion.

Course Objectives

- *Introduce the fundamentals of supply chains in the context of the pharmaceutical industry and its regulatory environment*
- *Provide an understanding of inventory management concepts and methods for delicate and regulated materials*
- *Present a framework for supplier selection, qualification, security assessment, and evaluation and continuous monitoring*
- *Describe logistics concepts with an emphasis on the transportation, storage and handling concepts of delicate, temperature controlled products*
- *Introduce integration concepts and related benefits to the pharmaceutical supply chain*



SPECIAL Discount Price* : \$125
Student Discount Price* : \$50

**Workshop costs subsidized by federal funds.*

REGISTER ONLINE: <https://nctmtp.teex.tamus.edu>

If you don't already have an account, select "Create Account", be sure to make note of your User Name and Password. Once your account has been created, select "Login".

Enroll in your course of choice from the course catalog.

ABOUT THE INSTRUCTOR

Dr. Jorge Leon is the Allen-Bradley Professor holds a joint appointment within the departments of Engineering Technology and Industrial Distribution, and Industrial and Systems Engineering at Texas A&M University. Dr. Leon's teaching interests are in the areas of operations and capacity management, lean manufacturing and supply chains, quality assurance, design of experiments, operations systems modeling and analysis. Dr. Leon's research work is in the areas of capacity and inventory management, finite-capacity resource planning and scheduling, applications of combinatorial optimization, and heuristic search. His research work has been sponsored by the federal government and the private sector.

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