

## Syllabus

HPEM 6330 Section 060  
Term Spring 2023 (Academic Year 2022-2023)

Instructor: Gerald (Jerry) Ledlow, Ph.D., MHA, FACHE (Dr. Jerry)

Office: H 261 Phone: 903.877.1441 Email: Gerald.ledlow@uthct.edu

The best way to contact me is by email.

Office Hours: Tuesdays 9:00 am to 12:00 Noon and by appointment. Email first to confirm.

TA Contact Information: N/A

**Course Overview:** The healthcare supply chain is a vital core business component of the health organization with the mission of delivering the technological elements of the patient care process to the providers of care. From strategic sourcing and purchasing, acquisition, logistics, inventory management, to point of use applications, this course provides understanding, knowledge and evaluation models to operate and manage an organization's enterprise resource planning and management system, specifically with regard to the supply chain system and the management of that system as evaluated from a strategic, operations management and financial perspective.

**Goal of Course:** For the student to understand the principles, flows and operations of the healthcare supply chain to include strategic sourcing considerations to be able to ask salient questions in a professional situation with the intention of patient care, quality, process, and cost improvements. Note related to goal: In several cases through the years I have taught healthcare supply chain, students have distinguished themselves with supply chain projects and improvements in their professional work that led to praise, acclaim, increased salaries and promotions; the best opportunities for healthcare improvement (my opinion) are waiting in the healthcare supply chain operation of clinics, hospitals, health systems and government agencies.

### **Student Learning Outcomes:**

1) Discuss and explain the foundations of enterprise resource planning (supply chain).
--

2) Discuss and explain how enterprise resource management (supply chain) perspectives and theories within organizational structures contribute to effective and efficient leadership and management of a health organization.
---

3) Describe the components of the supply chain system, specifically components of planning and management, within the context of the health enterprise.

4) Synthesize and evaluate, from the management and legal literature, enterprise resource planning and apply the process of evaluation and planning to various health organization scenarios.

**Required Textbooks and Readings:**

Ledlow, Gerald R.; Manrodt, Karl; & Schott, David (2017). The Healthcare Supply Chain: Elements, Operations and Strategies, Jones and Bartlett Learning Publishers, Inc: Sudbury, Massachusetts.

[Health Care Supply Chain Management: Elements, Operations, and Strategies: 9781284081855 \(jblearning.com\)](https://www.jblearning.com/9781284081855)

**Special Course Notes:** --

- 1) This is an online course with optional synchronous sessions (approximately 3 - 4).
- 2) This course will utilize 'Announcements' in this course and replies to those announcements, email (see above) and optional synchronous sessions for communication and interaction. This way we will 'keep it simple' and focus on interaction rather than media channel/modality.
- 3) Each week will have a module assigned that will include the following:

Read: A chapter in the textbook

Review: The slides for the chapter reading for the week

Scan: Documents that add information to the topics of the module but should only be scanned (of course they are fine to read if you like)

Do: Each week has a journal assignment to assist with your learning and reflection of topics and content for the week to assist in preparing for the weekly quiz. There is an assignment (MS Excel) for the first 4 modules but an answer key is provided so you can work the problems and see how you did!

Assess: Take a quiz (timed) for the content of the week to assess what you have learned; and

Watch: Some modules/weeks have an optional video to watch (only some modules/weeks).

**Assignments and Grading:** Each chapter of the required textbook has a quiz and a journal assignment. In addition, a 5 to 8 page research paper with at least 10 references/sources on a healthcare supply chain topic is required (get topic approval from instructor) and is due the Wednesday of the last week of the course/semester (earlier submissions are fine). This paper is assigned in the syllabus and in week 1 / module 1 in the weekly modules; an assignment is listed in this course for this research paper. The paper should address: 1) what is the topic or concept directly related to HC Supply Chain; 2) what are the elements of the topic; 3) how do the elements work operationally; 4) what are the alternatives approaches to the utilization of the topic; 5) what are the trade-offs (pros and cons) of the top 2-3 approaches; and 6) what approach or what do you recommend as a best practice approach and why. A rubric is included for this assignment.

Chapter quiz at 4.5% of grade with 14 quizzes = 63% of grade

Healthcare Supply Chain Topical Research paper = 37% of grade (rubric provided)

### **Assignments and weights/point values**

- |   |     |
|---|-----|
| 1. Chapter/Module Quiz (14)             | 63% |
| 2. Research Paper (due final exam week) | 37% |

### **Grading Scale:**

where            90% - 100% = A  
                     80% - 89.99% = B  
                     70% - 79.99% = C  
                     0% - 69.99% = F

NOTE: There are assignments built into several weeks/modules for your learning. Although they are not part of the grade, they do contribute immensely to your learning and understanding and should assist in quiz preparation and research paper development. In several cases, an answer sheet is provided for some of the assignments to you can better understand the concepts, processes and actions associated with the healthcare supply chain!

**Late Work and Make-Up Exams:** If you are going to be late in completing a module for the week, please let me know as soon as possible. The research paper will not be accepted late but the student will receive an incomplete until the paper is submitted and graded to calculate an earned grade.

Attendance Policy (optional): This course is online with optional synchronous sessions but UT Tyler does have a [Class Attendance policy](#) in the catalog.

**Graded Course Requirements Information:** *TEC 51.9705 (HB 2504) requires that you list AND describe all major assignments. It is absolutely acceptable to provide an overview and note that detailed information will be provided in class.*

Each chapter of the required textbook has a quiz and a journal assignment tied to a weekly module in the course. Quizzes are timed and are between 12 and 15 questions except for the Module 11 quiz and the last (Quiz 14) quiz which has 9 to 10 questions.

In addition, a 5 to 8 page research paper with at least 10 references/sources on a healthcare supply chain topic is required (get topic approval from instructor) and is due the Wednesday of the last week of the course/semester (earlier submissions are fine). This paper is assigned in the syllabus and in week 1 / module 1 in the weekly modules; an assignment is listed in this course for this research paper. The paper must address:

- 1) what is the topic or concept directly related to HC Supply Chain;
- 2) what are the elements of the topic;
- 3) how do the elements work operationally;
- 4) what are the alternative approaches to the utilization of the topic;
- 5) what are the trade-offs (pros and cons) of the top 2-3 approaches; and
- 6) what approach or what do you recommend as a best practice approach and why.

A rubric is included for this research paper assignment in the online course.

### **Calendar of Topics, Readings, and Due Dates (REQUIRED COMPONENT)**

*Note the last date to drop the course is included in the calendar along with the final exam date and time. These are required.*

*Students HIGHLY recommend that you link the assignments to the Canvas calendar. That comes up on their phones.*

#### **Course by week:**

Week 1 (January 9)	Read syllabus & Module 1	Synchronous session (TBD) for Introductions
Week 2 (January 16)	Module 2	
Week 3 (January 23)	Module 3	
Week 4 (January 30)	Module 4	
Week 5 (Feb 6)	Module 5	Synchronous session (TBD) for Foundation Discussion
Week 6 (Feb 13)	Module 6	
Week 7 (Feb 20)	Module 7	Think about research paper topic (see assignment in M1/W1)

Week 8 (Feb 27)	Module 8	Select Topic for 5 - 8 page research paper; get approval from instructor
Week 9 (Mar 6)	Module 9	Synchronous session (TBD) for Operations of HC SCM
Spring Break March 13 – 19		
Week 10 (Mar 20)	Module 10	
Week 11 (Mar 27)	Module 11	Should have 5 - 8 page research paper 1st draft completed
Week 12 (Apr 3)	Module 12	Should have 5 - 8 page research paper revised draft completed
Week 13 (Apr 10)	Module 13	Synchronous session (TBD) for 5 - 8 Page Research Paper discussion; Note
Week 14 (Apr 17)	Module 14	Complete all remaining work, finalize 5 – 8-page Research Paper
Week 15 (Apr 24)	5-8 Page Research Paper <u>Due by Noon Central Time Wednesday April 26th</u>	
Course Concludes		