

Course Specification

(2024/2025)

1. Basic Information

Course Title (according to the bylaw)	Logistics & Supply Chain Managements			
Course Code (according to the bylaw)	AHTE LSCM			
Department/s participating in delivery of the course	Technology of Radiology and Medical Imaging			
Number of credit hours/points of the course (according to the bylaw)	Theoretical	Practical	Other (specify)	Total
	1	-----	2	2
Course Type	Elective			
Academic level at which the course is taught	Level 1 (1 st semester)			
Academic Program				
Institute	Institute of High Technology Institute of Applied Health Science			
Academy	Nile delta for science and technology			
Name of Course Coordinator				
Course Specification Approval Date				
Course Specification Approval (Attach the decision/minutes of the department /committee/council)				

2. Course Overview (Brief summary of scientific content)

This course gives students a comprehensive and practical knowledge of logistics and supply chain management within the context of a highly stimulating challenging and exciting learning environment.

3. Course Learning Outcomes CLOs

Matrix of course learning outcomes CLOs with program outcomes POs (NARS/ARS)

Program Outcomes (NARS/ARS) (according to the matrix in the program specs)		Course Learning Outcomes Upon completion of the course, the student will be able to:	
Code	Text	Code	Text
	1.1.1- Demonstrate an understanding of fundamental knowledge of basic and applied health sciences. 2.1.1- Exhibit appropriate professional behaviors and relationships in all aspects of practice.		solve typical Supply Chain Management problems.
			combine their theoretical knowledge with practical knowledge
			Develop students' critical thinking..
	4.1.1- Participate in teamwork harmoniously and exhibit collaborate effectively with colleagues and other health care professionals		

4. Teaching and Learning Methods

written test, oral test, oral presentation, group project, essay, etc

Number of the Week	Scientific content of the course (Course Topics)	Total Weekly Hours	Expected number of the Learning Hours			
			Theoretical teaching (lectures/discussion groups/)	Training (Practical/ Clinical/)	Self-learning (Tasks/ Assignments/ Projects/ ...)	Other (to be determined)
1	Introduction to SCM & SCM Framework	2	1	2		
2	Demand Forecasting	2	1	2		
3	Sales and Operation Planning (S&OP)	2	1	2		
4	Master Production Scheduling	2	1	2		
5	Materials Requirement Planning (MRP)	2	1	2		
6	Mid term exam					
7	Enterprise Resource Planning (ERP)	2	1	2		
8	Supply Contract	2	1	2		
9	Inventory Management	2	1	2		
10	Smart Pricing and Revenue Management in a SC.	2	1	2		
11	Distribution Strategy and Transportation Network	2	1	2		
12	Distribution Strategy and Transportation Network II	2	1	2		
13	Revision	2	1	2		
14	Revision	2	1	2		
15	---					
16	---					
17	Final exam					

Course Schedule

5. Methods of students' assessment

No.	Assessment Methods *	Assessment Timing (Week Number)	Marks/ Scores	Percentage of total course Marks
1	Exam 1 written (Semester work)	6 th	40	40%
2	Exam 2 (Semester work)	-----	-----	-----
3	Final Written Exam	17 th	50	50%
	Final Practical/Clinical/... Exam	--	--	--
	Final Oral Exam	-----	-----	
	Presentation	-	--	--
	Field training	-----	-----	-----
	Other (Mention)	Attendance	10	10%

*** The methods mentioned are examples, the organization may add and/or delete**

6. Learning Resources and Supportive Facilities *

Learning resources (books, scientific references, etc.) *	The main (essential) reference for the course (must be written in full according to the scientific documentation method)	D. Simchi-Levi, P. Kaminsky, E. Simchi-Levi, & Ravi Shankar, <i>Designing and Managing the Supply Chain: Concepts, Strategies and Case studies</i> , 3 rd edition, McGraw Hill, 2008.
	Other References	S. Chopra and P. Meindel. <i>Supply Chain Management: Strategy, Planning, and Operation</i> , 5 th edition, Prentice Hall, 2014.
	Electronic Sources (Links must be added)	
	Learning Platforms (Links must be added)	
	Other (to be mentioned)	https://www.ekb.eg/ar
Supportive facilities & equipment for teaching and learning *	Devices/Instruments	Projector, Data show
	Supplies	, Whiteboard Markers
	Electronic Programs	ابن الهيثم Model
	Skill Labs/ Simulators	
	Virtual Labs	-----
	Other (to be mentioned)	-----

*** The list mentioned is an example, the institution may add and/or delete depending on the nature of the course**

Name and Signature
Course Coordinator

Name and Signature
Program Coordinator

