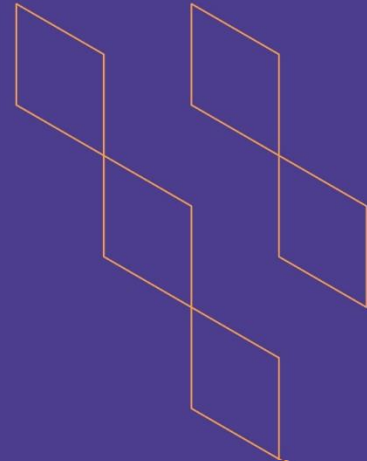




T-104
2022

Course Specification



Course Title:	Supply Chain Management
Course Code:	IS1770
Program:	Computer Information Systems
Department:	Computer Information Systems
College:	Computer Science & Information Technology
Institution:	Al-Baha University
Version:	T104 – V2
Last Revision Date:	January 19, 2023



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A. General information about the course:

Course Identification

1. Credit hours: 3 Credit Hours (3, 0, 0) (Lecture, Lab, Tutorial)
(3 Contact Hours)

2. Course type

a. University College Department Track Others

b. Required Elective

3. Level/year at which this course is offered: Elective course (12th Level/4th Year)

4. Course general Description

Students acquire the knowledge and basic skills to effectively design a supply chain for an organization. Topics include an introduction to the supply chain, the importance of information technology, supply chain slacks, demand management, supply management, inventory management, production management, transportation management, location analysis, sourcing decisions, supply chain strategy, and an overview of special types of supply chains such as green and humanitarian aid supply chains

5. Pre-requirements for this course (if any): IS1510- Digital Innovation and Emerging Technologies

6. Co- requirements for this course (if any): None

7. Course Main Objective(s)

1. Explain supply chain management, contrast it from operations management and propose the main performance drivers of supply chain performance.
2. Assess the strategic role and impact of IT technologies on supply chain integration.
3. Express the major slacks in supply chains and formulate the approaches to manage them.
4. Construct a model to generate forecasts for a company's products.
5. Conceptualize the phenomenon of bull-whip effect in supply chains and propose the methods to mitigate its effect in supply chains.
6. Analyze the inventory management methodologies and apply the existing models to propose the optimal order sizes.
7. Develop an aggregate production plan for a company.

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	30	100%
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4.	Distance learning		





2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	-
3.	Field	-
4.	Tutorial	-
5.	Others (specify)	-
Total		30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Recognize the supply chain management, contrast it with operations management, and propose the main performance drivers of supply chain performance	K1	<ul style="list-style-type: none"> Lectures Assignments 	<p>Direct Assessment Tool</p> <ul style="list-style-type: none"> Midterm Final exam <p>Indirect Assessment Tool</p> <ul style="list-style-type: none"> Course Exit Survey
1.2	Describe the strategic role and impact of IT technologies on supply chain integration	K2	<ul style="list-style-type: none"> Lectures Class discussions 	<p>Direct Assessment Tool</p> <ul style="list-style-type: none"> Oral presentation Midterm Final exam <p>Indirect Assessment Tool</p> <ul style="list-style-type: none"> Course Exit Survey
2.0	Skills			
2.1	design the major slacks in supply chains and formulate the	S1	<ul style="list-style-type: none"> Lectures Class discussions 	<p>Direct Assessment Tool</p> <ul style="list-style-type: none"> Quiz Oral presentation Final exam <p>Indirect Assessment Tool</p> <ul style="list-style-type: none"> Course Exit Survey
2.2	Use of a model to generate forecasts for a company's products	S2	<ul style="list-style-type: none"> Lectures Assignments 	<p>Direct Assessment Tool</p> <ul style="list-style-type: none"> Quiz Final exam <p>Indirect Assessment Tool</p> <ul style="list-style-type: none"> Course Exit Survey
2.3	Apply the phenomenon of bull-whip effect in supply chains and propose methods to mitigate its effect on supply chains	S3	<ul style="list-style-type: none"> Lectures Class discussions 	<p>Direct Assessment Tool</p> <ul style="list-style-type: none"> Midterm Final exam <p>Indirect Assessment Tool</p> <ul style="list-style-type: none"> Course Exit Survey
2.4	Apply the inventory management methodologies and apply the existing models to propose the optimal order sizes	S4	<ul style="list-style-type: none"> Lectures Assignments 	<p>Direct Assessment Tool</p> <ul style="list-style-type: none"> Quiz Final exam <p>Indirect Assessment Tool</p> <ul style="list-style-type: none"> Course Exit Survey





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
3.0	Values, autonomy, and responsibility			
3.1	Work both independently and collaboratively.	V1	<ul style="list-style-type: none"> Teamwork (smaller group) 	Direct Assessment Tool <ul style="list-style-type: none"> Oral Presentation Quiz Indirect Assessment Tool Course Exit Survey

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to Supply Chain Management & Case Analysis	3
2.	Strategic Importance of IT in Supply Chain & Computer Simulation	3
3.	Supply Chain System Slacks	3
4.	Demand Management	3
5.	Supply Management	3
6.	Inventory Management	3
7.	Production Management	3
8.	Transportation Management	3
9.	Location Management	3
10.	Source Management & Supply Chain Strategy	3
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm	4	20%
2.	Quiz	6	10%
3.	Report, presentation, and Class discussions	10	10%
4.	Final Exam	11	60%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References

- [1] Essays on Supply Chain Management , Micha Hirschinger (auth.) , Gabler Verlag , 2016
- [2] Supply chain risk management advanced tools, models, and developments , Khojasteh, Yacob , Springer, Year: 2018



Supportive References	Global Supply Chain and Operations Management: A Decision-Oriented Introduction to the Creation of Value , Dmitry Ivanov, Alexander Tsipoulanis, Jörn Schönberger, Springer Texts in Business and Economics , 2019 Edition: 2nd ed.
Electronic Materials	<ul style="list-style-type: none"> • Access to the Saudi Digital Library (SDL). • Using the learning management system of the university – Rafid System (https://lms.bu.edu.sa/).
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A classroom or lecture hall with whiteboard for 25 students.
Technology equipment (projector, smart board, software)	<ul style="list-style-type: none"> • A digital image projection system with connection to desktop computer and laptop computer. • High speed Internet connection. • An instructor computer station.
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	<ul style="list-style-type: none"> • Students • Faculty • Peer Reviewers • Program Leader • Course Coordinator 	<ul style="list-style-type: none"> • Surveys (indirect). • Direct feedback from students. • Course evaluation by Peer Reviewers (indirect). • Class visit by Program Leader (indirect) <p>Comprehensive Course report (where we can find information about teaching difficulties and action plan, ...)</p>



Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of students assessment	<ul style="list-style-type: none"> • Students • Faculty • Peer Reviewers • Program Leader • Exam Evaluation Committee • Course Coordinator 	<ul style="list-style-type: none"> • Surveys (indirect). • Direct feedback from students. • Course evaluation by Peer Reviewers (indirect). • Class visit by Program Leader (indirect) Exam evaluation by the Exam Evaluation Committee (indirect)
Quality of learning resources	<ul style="list-style-type: none"> • Students • Faculty • Peer Reviewers • Course Coordinator 	<ul style="list-style-type: none"> • Surveys (indirect) • Course evaluation by Peer Reviewers (indirect). <p>Comprehensive Course report (where we can find information about difficulties and challenges about learning resources as well as consequences and action plan, ...)</p>
The extent to which CLOs have been achieved	<ul style="list-style-type: none"> • Faculty • Program Leader • Course Coordinator 	<ul style="list-style-type: none"> • Student Results (direct) <p>Comprehensive Course report (where we can find the CLO assessment results)</p>
Other	None	None

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Curriculum Committee Meeting
REFERENCE NO.	
DATE	March 28, 2023

