

COURSE DESCRIPTION

Title: **SUPPLY CHAINS OF AGRICULTURAL PRODUCTS**

Lecturer: **Giannis Tsoulfas, Assistant Professor AUA**

Compulsory ☐

Elective ☒

Winter ☒

Spring ☐

COURSE GOALS

The course deals with issues related to the planning and operation of supply chains in companies and organizations, with an emphasis on agri-food products. We discuss topics related to procurement, inventory management, product distribution, and order fulfillment, as well as issues related to warehousing and freight operations. In addition, we examine the particularities and the main stakeholders of agri-food supply chains as well as issues related to the strategic role and importance of supply chain operations in achieving sustainable development goals.

Upon successful completion of the course, students will be able to:

- explain the structure, components and particularities of agri-food supply chains
- apply modern approaches, tools and methods in supply chain management
- apply a systemic and holistic approach to supply chain management
- compare alternatives in the design and operation of supply chains

COURSE CONTENTS

<i>Units</i>	<i>Hours</i>
1. Operations management and supply chain management	3
2. Supply chain and value chain	3
3. Procurement management	3
4. Inventory management	3
5. Warehousing	3
6. Freight transport	3
7. Distribution channels, order management and customer service	3
8. Supply chain planning (capacity and facility location)	3
9. Supply chain planning (routing)	3
10. Extended supply chain – Circular economy – Sustainable development	3
11. Modern modeling and analysis tools	3
12. Presentations of group assignments – Exam preparation	3

TEACHING METHOD

HOURS

EXAMINATION

Weight

Taught	36		Written exam	70%
Seminar		No of indiv. assignments	Orals	
Collaboration with lecturer			Individual assignments	
Laboratory		No of group assignments	Group assignments	30%
TOTAL:	36	1	TOTAL:	100%

BIBLIOGRAPHY

Greek

- Chopra, S. (2020). *Supply Chain Management*. Thessaloniki: Tziola.
- Christopher, M. (2017). *Logistics and Supply Chain Management*. Athens: Kritiki.
- Harrison, A. & van Hoek, R. (2021). *Logistics Management and Strategy*. Athens: Rosili.
- Heizer, J., Render, B., & Munson, C. (2023). *Operations Management*. Nicosia: Broken Hill.
- Jacobs, F.R. & Chase, R.B. (2023). *Operations and Supply Chain Management*. Nicosia: Broken Hill.
- Achillas, C., Bochtis, D., Aidonis, D. & Folinas, D. (2020). *Sustainable supply chains*. Athens: Kritiki.
- Dimitriadis, S.G. & Michiotis, A.N. (2020). *Production systems management*. Athens: Kritiki.
- Laios, L. (2010). *Procurement Management*. Athens: Humantec.
- Malindretos, G. (2015). *Supply chain, logistics and customer service*. Athens: Association of Greek Academic Libraries.
- Fotiadis, T., Folinas, D., Vassiliou, K. & Constantoglou, A. (2021). *Marketing and Supply Chain Management*. Nicosia: Broken Hill.

English

- Bowersox, D., Closs, D., Cooper, M.B. & Bowersox, J.C. (2020). *Supply Chain Logistics Management*. New York: McGraw-Hill.
- Gattorna, J. & Ellis, D. (2019). *Transforming Supply Chains: Realign your business to better serve customers in a disruptive world*. London: Pearson.
- Sanders, N.R. (2020). *Supply Chain Management: A Global Perspective*. Hoboken: Wiley.

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