

Asignatura: REDES DE ABASTO Y LOGÍSTICA
INTERNACIONAL 900IND
Semestre: 9° Enero-Junio 2024
Docente: Max Daniel Revuelta López

INFORMACIÓN DE LA ASIGNATURA

It is a theoretical-practical course of the systems and production curricular line.

Descripción

This subject analyzes all the necessary elements to design and evaluate a national or international distribution network.

Objetivos

At the end of the course, the student will be able to:

- Design and apply different strategies, tools, and fundamental principles for the control of distribution and traffic areas in an organization.
 - Analyze the distribution and traffic operations impact on the service and quality level in the organization.
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Capacidades y habilidades que desarrollar

- Assessment of the importance of controlling distribution and traffic areas in an organization.

- Appreciation for the development of a systemic vision of an industrial organization.
 - Willingness to act in accordance with ethical principles and social responsibility in distribution, logistics and customs management processes in foreign trade.
 - Disposition for collaborative work in multidisciplinary teams.
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Prerrequisitos

Operation Management II

Temario

I. DISTRIBUTION CENTER.

1. Concepts and definitions.
2. Structure, organization, and operation.
3. Location of facilities: decision making.
4. Methods for evaluating location alternatives.
5. Information technology in the distribution center.
6. Earnings resource planning (ERP).

II. DISTRIBUTION NETWORK.

1. Basic concepts and importance.
2. Distribution levels.
3. Considerations of a distribution network: distribution center; cross docking; point by point; hub & spoke ;

consolidation and distribution; collection and consolidation; temporary warehouse.

4. Distribution channels: evolution; Current situation; distribution types; functions; length and flows in the distribution channel.

5. Programming and design of routes.

6. Intermediaries.

7. Logistics providers (3PL).

8. Integration of national and international distribution networks.

9. Concept of service (the image of our company): performance indicators; delivery times.

III. DISTRIBUTION NETWORK DESIGN.

1. Factors and techniques that influence its design.

2. Diagnosis of the distribution system: available equipment, organization; route evaluation; maps and territory; routes and travel time; market demand and cost evaluation.

3. Distribution network design: proposed routes and evaluation methods; evaluation of the feasibility of the design.

4. Implementation of the new distribution network: measurement and analysis.

IV. TRANSPORT ADMINISTRATION.

1. Types of transport and containers: characteristics.

2. Criteria for the selection of transport.

3. Multimodal transport.

4. Transport administration.
5. Load programming.
6. Transportation costs.
7. Logistics and transport in international trade
8. Innovative technologies in transport management.

V. FOREIGN TRADE.

1. Foreign trade and international trade.
2. Customs Law: generalities.
3. Foreign Trade Law: generalities; dumping; grants; rules of origin; safeguards; non-tariff regulations and restrictions.
4. Tariff classification of goods: types of tariffs; compensatory quotas; anti-dumping duties .
5. INCOTERMS and RAFTD.
6. Free trade agreements.
7. Foreign trade promotion programs: PITEX; ECEX; ALTEX; customs account & draw back.

CUSTOMS MANAGEMENT.

1. Concepts, definitions and requirements of the customs operation, petition, invoice, certificate of origin and other documents.
2. Unfair practices in customs matters, infractions, and sanctions, PAMA.
3. The agent and customs agent.

4. Powers of the customs authority.
 5. Obligations of importers and exporters.
 6. Traffic area management.
 7. Requirements for the import and export of merchandise.
 8. Customs regimes.
 9. Fiscal deposit and merchandise verification.
 10. Customs clearance of merchandise: documentation and requirements.
 11. Cost analysis: import and export.
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Construcción de la calificación final

80% all assignments done in class

20% Final research project

Fechas importantes

FECHAS	ACTIVIDADES
Agosto 7	Inicio del semestre
Septiembre 8 al 14	1ª evaluación parcial
Septiembre 15 y 16	Días festivos
Octubre 4	Foro de maestros (suspensión de clases, asistencia de todo el personal docente)
Octubre 16 al 21	2ª evaluación parcial
Octubre 31 a noviembre 10	Aplicación de Evaluación Docente (SED)
Noviembre 1, 2 y 20	Días festivos
Noviembre 29	Ultimo día de clases

De la asistencia y puntualidad

Maximum tolerance to have attendance 10 minutes after the class start time. To be entitled to the ordinary exam, you must meet 80% attendance.

Del comportamiento en clase

- Attendance
 - Respect for classmates and teacher
 - In the case of being face-to-face, they will not be able to eat food in the classroom.
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De los exámenes

There is not.

De las tareas, prácticas y exposiciones

There are all classes tasks, practices, and exhibitions. They represent 80% of the final evaluation.

Trabajos de investigación

Production scheduling case study

BIBLIOGRAFÍA RECOMENDADA

- Ballou, R. H., & Ballou, R. H. (2004). *Business logistics/supply chain management: Planning, organizing, and controlling the supply chain* (5th ed). Pearson/Prenhall.
- Fleischmann, B., & Klose, A. (Eds.). (2005). *Distribution Logistics: Advanced Solutions to Practical Problems* (Vol. 544). Springer Berlin Heidelberg. <https://doi.org/10.1007/978-3-642-17020-1>
- Gleissner, H., & Femerling, J. C. (2013). *Logistics: Basics — Exercises — Case Studies*. Springer International Publishing. <https://doi.org/10.1007/978-3-319-01769-3>
- · Straka, M. (2019). *Distribution and supply logistics*. Cambridge Scholars Publishing.