



Course Information				
Code:	IIN52009	Course:	LOGÍSTICA INDUSTRIAL (S.CH.M.)	
Coordination Area / Program:	FAC. INGENIERÍA: ING. INDUSTRIAL Y COMERCIAL			Mode: Presencial
Credits: 04	Tipo de hora	Presencial	Virtual	H. Totales
	H.Teoría	64	0	64
	H.Práctica	0	0	0
	H.Laboratorio	0	0	0
Period: 2024-01	Start date and end of period: del 20/03/2024 al 09/07/2024			
Career: INGENIERÍA INDUSTRIAL Y COMERCIAL - INGENIERÍA LOGÍSTICA Y DE TRANSPORTE				

Course Pre-requisites		
Code	Course - Credits	Career
	> 60 Créditos.	INGENIERÍA INDUSTRIAL Y COMERCIAL - INGENIERÍA LOGÍSTICA Y DE TRANSPORTE
FC-IND PLACTROP	PLANEAMIENTO Y CONTROL DE OPERACIONES	ING. INDUSTRIAL Y C.
FC-IND INGEABAS	INGENIERÍA DEL ABASTECIMIENTO	ING. INDUSTRIAL Y C.

Course Coordinators			
Surname and First Name	Email	Contact Hour	Contact Site
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Instructors
You can check the timetables for each teacher in their INFOSIL in the Classes Development Teachers option Teachers .

Course Overview
The course will allow students to understand the role of industrial logistics in the operation of a supply chain from various perspectives, whether viewed by the supplier, sales staff, customers, legal, human resources, operations, distribution, government, competition . , operator, advisor, communicators, etc. Each of the stakeholders will have something to contribute to logistics performance. It encompasses world-class concepts and strategies. The course allows us to apply practical knowledge, solve and understand the bottlenecks in our businesses, improve processes and find ways to obtain value and take advantage of business opportunities.

Professional and/or General Competencies			
Career/Program	Acronym/Name of the Competition	Competition level	Expected learning
INDUSTRIAL AND COMMERCIAL ENGINEERING - LOGISTICS AND TRANSPORTATION ENGINEERING	CP1: Analyzes the economic, social, political and legal environment as a basis for formulating and managing strategic plans for production and commercial processes. Formulates, applies and evaluates integrated systems to optimize the production and marketing of goods and services, in	N3 Strategically plans production processes and marketing of goods and services.	The student applies his knowledge from a strategic planning perspective for the production processes and marketing of goods and services .

	search of continuous improvement in productivity.		
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General Course Result	Unit Result
At the end of the course, the student develops a project applying the topics of comprehensive logistics management of a supply chain, covering the purchasing, transportation, warehouses and distribution processes in logistics chains, applying sustainability strategies and global performance.	1. At the end of the unit, the student will be able to analyze and apply purchasing and supplier management techniques in the context of logistics chains, optimizing the relationship with them and the process of acquiring products or services
	2. At the end of the unit, the student will understand the importance of transportation management in supply within logistics chains, and will be able to implement strategies for its optimization
	3. At the end of the unit, the student will be able to analyze the warehouse management and outbound distribution processes in logistics chains, implementing improvements to increase the efficiency and effectiveness of these processes.
	4. At the end of the unit, the student will understand the principles of global management, sustainability and performance in logistics chains, and will be able to apply strategies to improve these aspects in their own practice.

Development of activities		
Unit Result 1: <i>At the end of the unit, the student will be able to analyze and apply purchasing and supplier management techniques in the context of logistics chains, optimizing the relationship with them and the process of acquiring products or services</i>		
Session 1: <i>At the end of the session, the student will understand the different purchasing management strategies in logistics chains and will be able to select the most appropriate one to optimize the acquisition of products and services.</i>		Semana 1 a 3
Learning Activities	Contents	Evidence
-Develop self-assessment exercises in individual/group Canvas -Analyze a case study or assigned reading.	- Purchasing management strategies in logistics chains.	- Exercises developed and Canvas - Case study analysis or Assigned reading
Session 2: <i>At the end of the session, the student will be able to apply supplier selection and evaluation techniques in the logistics context, ensuring the choice of reliable and efficient suppliers</i>		Semana 4 a 6
Learning Activities	Contents	Evidence
-Develop self-assessment exercises in individual/group Canvas -Analyze a case study or assigned reading.	Selection and evaluation of suppliers in the logistics context.	- Exercises developed and Canvas - Case study analysis or Assigned reading
Unit Result 2: <i>At the end of the unit, the student will understand the importance of transportation management in supply within logistics chains, and will be able to implement strategies for its optimization</i>		
Session 3: <i>At the end of the session, the student will understand the importance of transportation in the supply of the logistics chain and will be able to analyze and evaluate different transportation options to guarantee efficient delivery of products.</i>		Semana 7 a 8
Learning Activities	Contents	Evidence

-Develop self-assessment exercises in individual/group Canvas -Analyze a case study or assigned reading.	Importance of transportation in the supply of the logistics chain.	- Exercises developed in Canvas - Case study analysis or Assigned reading
Session 4: <i>At the end of the session, the student will be able to apply effective strategies to optimize supply transportation in logistics chains, improving efficiency and reducing associated costs</i>		Semana 9 a 11
Learning Activities	Contents	Evidence
-Develop self-assessment exercises in individual/group Canvas -Analyze a case study or assigned reading.	Strategies to optimize supply transportation	- Exercises developed in Canvas - Case study analysis or Assigned reading
Unit Result 3: <i>At the end of the unit, the student will be able to analyze the warehouse management and outbound distribution processes in logistics chains, implementing improvements to increase the efficiency and effectiveness of these processes.</i>		
Session 5: <i>At the end of the session, the student will understand warehouse management techniques in logistics chains and will be able to apply them to optimize the flow of products and minimize storage times.</i>		Semana 12 a 13
Learning Activities	Contents	Evidence
-Develop self-assessment exercises in individual/group Canvas -Analyze a case study or assigned reading.	Warehouse management techniques in logistics chains, and Strategies to optimize outbound distribution.	- Exercises developed in Canvas - Case study analysis or Assigned reading
Unit Result 4: <i>At the end of the unit, the student will understand the principles of global management, sustainability and performance in logistics chains, and will be able to apply strategies to improve these aspects in their own practice.</i>		
Session 6: <i>At the end of the session, the student will understand the principles of global management in the logistics chain and will be able to implement sustainability strategies in their logistics practice.</i>		Semana 14 a 14
Learning Activities	Contents	Evidence
-Develop self-assessment exercises in individual/group Canvas -Analyze a case study or assigned reading.	Principles of global management in the logistics chain, and Implementation of sustainability strategies in the logistics chain.	- Exercises developed in Canvas - Case study analysis or Assigned reading
Session 7: <i>At the end of the session, the student validates the knowledge acquired in the class sessions through the creditable Final Project and the Final Exam.</i>		Semana 15 a 16
Learning Activities	Contents	Evidence
Presents Final Exhibition Present Final Exam	Final Project Presentation Final exam	Creditable Final Work Final exam

Methodology
The course will be developed based on the following methodologies: Aprendizaje basado en problemas , Aprendizaje basado en proyectos , Aprendizaje colaborativo , During the sessions, knowledge is reinforced through case analysis and reflective questions, motivating students to actively participate by answering questions in class. The methodology is suitable for the development of the course in the face-to-face modality.

Assessment System				
Each of the items of the evaluation scheme and the final grade of the course are rounded to whole numbers. The final grade of the course is the weighted average of the corresponding items: permanent evaluation, partial exam and final exam.				
The averages calculated components of the item 'Permanent Evaluation' will keep your calculation with 2 decimals.				
Type Evaluation	%Weighing	Observation	Week Assessment	Rezag.
Evaluación Permanente	100%			

Promedio de Evaluaciones	30%			
Evaluación 1		Se elimina la menor nota	Semana 4	No
Evaluación 2		Se elimina la menor nota	Semana 7	No
Evaluación 3		Se elimina la menor nota	Semana 12	No
Evaluación 4		Se elimina la menor nota	Semana 14	No
Sustentación	35%		Semana 15	No
Trabajo Final	35%	Producto Acreditado	Semana 16	No

Attendance Policy	
Total Percentage Absences Permitted	30%
<p>Class attendance is mandatory. The student who reaches or exceeds the limit of thirty percent (30%) of absences in the course, defined by the total of effective hours, will be disqualified from taking the final evaluation, corresponding to said evaluation with a grade of zero (0).</p> <p>In hybrid classrooms, only synchronous virtual participation (via zoom) is allowed, up to a maximum of 50% of the total course.</p>	

Basic Required Reading
<p>[1] Simchi-Levi, D. (2008). <i>Design & Managing the Supply Chain</i>. Irwin/Mcgraw-Hill.</p> <p>[2] Chase, R. (2001). <i>Administración de producción y operaciones: manufactura y servicios</i>. (8a ed.). McGraw Hill.</p>

References Supplementary
<p>[1] Krajewski, L. (2000). <i>Administración de operaciones: estrategia y análisis</i>. (5a ed.). Pearson Educación.</p> <p>[2] Christopher, M. (2000). <i>Logística : aspectos estratégicos</i>. Limusa.</p> <p>[3] Christopher, M. (1994). <i>Logística y Aprovisionamiento</i>. Ediciones Folio.</p>

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Date: 31/03/2024	Date: 15/04/2024	Date: 15/04/2024