UNIVERSIDAD SAN IGNACIO DE LOYOLA

SYLLABUS

Course Information						
Code:	**IIN63005**	Course:	**LOGÍSTICA**			
Coordination Area / Program:		**FAC. INGENIERÍA: ING. INDUSTRIAL Y COMERCIAL**			Mode: **A distancia**	
Credits: **04**		Tipo de hora	Presencial	Virtual	H. Totales	Autonomous Learning Hours: **128**
		H.Teoria	0	64	64	
		H.Práctica	0	0	0	
		H.Laboratorio	0	0	0	
Period: **2024-02**		Start date and end of period: **del 19/08/2024 al 08/12/2024**				
Career: **INGENIERÍA INDUSTRIAL Y COMERCIAL**						

Course Pre-requisites		
Code	**Course - Credits**	**Career**
FC-IND PLACTROP	PLANEAMIENTO Y CONTROL DE OPERACIONES	ING. INDUSTRIAL Y C.

Course Coordinators			
Surname and First Name	**Email**	**Contact Hour**	**Contact Site**
DIAZ SANCHEZ, FANNY KARINA	FDIAZS@USIL.EDU.PE	L-V de 4-5 pm	La Molina

Instructors
You can check the timetables for each teacher in their INFOSIL in the ***Classes Development Teachers*** option ***Teachers.***

Course Overview
Logistics is a course that belongs to the training area of specialty studies, of a theoretical nature and contributes to the development of the competence to solve complex problems in engineering. It includes the development of the following thematic axes: Logistics and demand management, production techniques and MRP planning, operations strategy and process management, aggregate plan, just in time (JIT), theory of constraints (TOC). The creditable product is the presentation of a project on the topics developed in the course and which is presented in the last week of classes.

Professional and/or General Competencies			
Career/Program	**Acronym/Name of the Competition**	**Competition level**	**Expected learning**
INDUSTRIAL AND COMMERCIAL ENGINEERING	CP1: Analyzes the economic, social, political, and legal environment as a basis for formulating and managing strategic plans for production and commercial processes.	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.

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: *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*		
Session 1: *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*		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: *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*		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: *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*		
Session 3: *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.*		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: *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*		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: *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.*		
Session 5: *At the end of the session, the student will understand warehouse management techniques in logistics chains and will be*		Semana 12 a 13

able to apply them to optimize the flow of products and minimize storage times.		
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: *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.*		
Session 6: *Session 6: 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.*		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: *Session 7: 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.*		Semana 15 a 16
Learning Activities	**Contents**	**Evidence**
Presents Final Exhibition Present 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 , The course will be developed based on the following methodologies: Problem based learning; Project based learning. During the sessions, knowledge is reinforced through case analysis and reflective questions, motivating students to actively participate by answering questions in class

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	**80**%			
Promedio de Prácticas	**70**%			
Práctica 1	30%		Semana 4	No
Práctica 2	30%		Semana 9	No
Práctica 3	40%		Semana 14	No
Trabajo	**30**%	Producto Acreditable	Semana 15	No
Evaluación Final	**20**%		Semana 16	No

Attendance Policy

Total Percentage Absences Permitted	30%

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).

In hybrid classrooms, only synchronous virtual participation (via zoom) is allowed, up to a maximum of 50% of the total course.

Basic Required Reading
[1] Chopra, Sunil, (2017). *Supply Chain Management : strategy, planning, and operation /.* (7a ed.). Pearson,. [2] Russell, Roberta S. (2014). *Operations and supply chain management /.* (8th ed., international student version). Wiley,.

References Supplementary
[1] Christopher, Martin (2011). *Logistics and supply chain management : creating value-adding networks /.* (4a ed.). Financial Times Prentice Hall,.

Prepared by:	**Approved by:**	**Validated by:**
DIAZ SANCHEZ, FANNY KARINA /	CANO ZAPATA, LUZ MARIA VICTORIA	Office of Curriculum Development
Date: 18/09/2024	Date: 18/09/2024	Date: 18/09/2024