



Course Information					
Code:	<b>NIN52003</b>	Course:	<b>INTERNATIONAL OPERATIONS</b>		
Coordination Area / Program:	<b>FAC. CC.EE. INTERNATIONAL BUSINESS</b>			Mode: <b>Presencial</b>	
Credits: <b>04</b>	Tipo de hora	Presencial	Virtual	H. Totales	Autonomous Learning Hours: <b>128</b>
	H.Teoria	64	0	64	
	H.Práctica	0	0	0	
	H.Laboratorio	0	0	0	
Period: <b>2024-01</b>	Start date and end of period: <b>del 20/03/2024 al 09/07/2024</b>				
Career: <b>DERECHO - INTERNATIONAL BUSINESS</b>					

Course Pre-requisites		
Code	Course - Credits	Career
FC-IBS INTTRAD2	INTERNATIONAL TRADE II: LOGISTICS	INTERN. BUSINESS
FC-ADM GESTEMPR	GESTIÓN DE EMPRESAS	DERECHO

Course Coordinators			
Surname and First Name	Email	Contact Hour	Contact Site
FERNANDEZ CASTRO, JORGE GIOVANNI	jfernandez@usil.edu.pe	09:00 a 17:00	Ciencias Empresariales, C1, pabellon D, piso 2

Instructors
You can check the timetables for each teacher in their INFOSIL in the <b>Classes Development Teachers</b> option <b>Teachers</b> .

Course Overview
International Operations is a specialized training subject of theoretical nature that contributes to the development of competencies in commercial development and process evaluation. It encompasses the development of the following thematic axes: effective management of operations in the Supply Chain, planning, recognizing multiple levels with different objectives and horizons, as well as a substantial change in the functional roles that it encompasses. Regarding Execution, it must seek the maximum efficiency of operations. The accredited product of the subject explains and socializes to the class how the chosen company manages its international operations taking into account all the concepts reviewed throughout the course. It is developed and presented in a group setting.

Competencias Profesionales y/o Generales			
Carrera/Programa	Sigla/ Denominación de la Competencia	Nivel de la competencia	Aprendizajes esperados
INTERNATIONAL BUSINESS	CP1: Process Evaluation	N2 Apply operations strategies using optimization tools in order to develop supply chain processes..	<ul style="list-style-type: none"> <li>Utilize different processes of international multimodal physical distribution.</li> <li>Evaluate the tools and concepts presented in the core courses of the program to have a comprehensive</li> </ul>

			<p>understanding of the supply chain.</p> <ul style="list-style-type: none"> <li>• Design distribution chains in a global context.</li> </ul>
	<p>CP2: Commercial Development</p> <p>Principio del formulario</p>	<p>N2 Understand multilateral trade agreements following the guidelines and specifications of each agreement in order to leverage the advantages of global markets.</p>	<ul style="list-style-type: none"> <li>• Evaluate the current regulations of national and international trade, considering the bilateral and multilateral agreements signed by Peru.</li> <li>• Apply multilateral trade agreements following the guidelines and specifications with the aim of leveraging the advantages of global markets..</li> </ul>

General Course Result	Unit Result
<p>At the end of the course, the student prepares a research paper considering the effective management of operations in the supply chain, its proper planning, and execution prioritizing maximum operational efficiency by applying critical reasoning and responsibility.</p>	<p>1. At the end of the unit, the student develops a chapter of a research paper detailing the effective management of operations in the supply chain with ethics and responsibility.</p>
	<p>2. At the end of the unit, the student constructs the chapter of the research paper related to the planning of operations in the supply chain in a correct and efficient manner.</p>
	<p>3. At the end of the unit, the student completes the research paper with the execution of the supply chain with maximum operational efficiency applying ethical criteria and social responsibility.</p>

Development of activities		
<p><b>Unit Result 1:</b> <i>At the end of the unit, the student develops a chapter of a research paper detailing the effective management of operations in the supply chain with ethics and responsibility.</i></p>		
<p><b>Session 1:</b> <i>At the end of the session, the student plans the chapter of the research paper through the understanding of the introductory concepts of the course with responsibility and ethics.</i></p>		<p>Semana 1 a 2</p>
Learning Activities	Contents	Evidence
<p>Understands the main concepts, strategies, and guidelines of International Operations through the analysis of a video and review of relevant bibliography.</p>	<p>History of Operations Management. Evolution of Operations Management from Industry 1.0 to Industry 4.0. Introduction to management models, strategic alignment, value chain, process view of organizations, products, product attributes, types of products: goods vs services. Process strategies. Workshops. Repetitive process. Continuous process. Mass customization process. Robotics. Command centers. Automated Guided Vehicles</p>	<p>Individual Task: Video 1. Value Chain. Individual Task: Case 1. Post-pandemic trends: what's coming and what's already happening.</p>

	(AGVs). Flexible manufacturing systems.	
<b>Session 2:</b> <i>At the end of the session, the student understands the concepts of productivity in operations management by applying critical reasoning and with responsibility.</i>		Semana 3 a 3
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>
Understands productivity in Operations Management through the resolution of practical cases.	Partial Productivity. Multifactor Productivity. Total Productivity. Exercises on Productivity.	Practice 1.
<b>Unit Result 2:</b> <i>At the end of the unit, the student constructs the chapter of the research paper related to the planning of operations in the supply chain in a correct and efficient manner.</i>		
<b>Session 3:</b> <i>At the end of the session, the student argues the planning of operations in the supply chain through the introduction and planning of the supply chain with responsibility and collaboration.</i>		Semana 4 a 5
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>
Understands the main concepts of the Supply Chain and its planning through a practical case.	What is a Supply Chain? The objective of the Supply Chain. Key topics in Supply Chain Management. Strategic alignment in the Supply Chain. Competitive dimensions in the Supply Chain. Distribution Planning. Production Planning. Materials Planning. Indicators in the Supply Chain.	Discussion Forum: Rethinking Supply Chain Structures. Individual Task: Video 2. From demand forecasting to demand planning: in times of Corona, this is already serious.
<b>Session 4:</b> <i>At the end of the session, the student solves forecast exercises using various statistical tools applying critical reasoning and responsibility.</i>		Semana 6 a 6
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>
Analyzes forecasts, uses statistical tools for solving practical cases.	Simple Linear Regression Model. Pearson's Correlation Coefficient. Coefficient of Determination. Forecast Errors. Mean Absolute Deviation. Mean Absolute Percentage Error.	Practice 2.
<b>Session 5:</b> <i>At the end of the session, the student understands inventory management concepts through various types and theories with responsibility and ethics.</i>		Semana 7 a 8
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>
Distinguishes inventory management models through the analysis of a video and the creation of an infographic.	Inventory Management - Concepts. Independent Demand vs. Dependent Demand. Inventory Models - EOQ (Economic Order Quantity). Inventory Models - Discounted Price Model. Systems and Miscellaneous Topics. ABC Inventory Planning. Cycle Counting. Inventory Management Models. Optimal Service Level. Safety Stock. Determination of the reorder point. Optimal Purchase Order Quantity. Inventory Models. Independent Demand - Deterministic: EOQ, EOQ Discounts. Independent Demand - Probabilistic: Single Period. Multiperiod: Without Ordering Cost, With Ordering Cost.	Group Task: Video 3. What is the container crisis and how does it affect global trade and your wallet? Discussion Forum: Inventories in Companies.
<b>Unit Result 3:</b> <i>At the end of the unit, the student completes the research paper with the execution of the supply chain with maximum operational efficiency applying ethical criteria and social responsibility.</i>		
<b>Session 6:</b> <i>At the end of the session, the student executes material requirements using tools such as MRP with critical and analytical thinking.</i>		Semana 9 a 10
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>

Applies Material Requirements Planning (MRP) through a practical case. Understands the concepts of purchasing and procurement management through the resolution of a practical case.	MRP Concept. Dependent Demand. Bill of Materials (BOM). Master Production Schedule. MPS (Master Production Schedule). Key Procurement Processes. Supplier Selection. Contract Management. Inbound Logistics Design. Purchasing. Purchasing Department Organization. Best Practices in Purchasing.	Individual Task: Case 2. Your Brand in the Post-Coronavirus World. Practice 3.
<b>Session 7:</b> <i>At the end of the session, the student develops knowledge through new trends in the supply chain with ethics and responsibility.</i>		Semana 11 a 13
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>
Identifies eCommerce strategies through forum resolution. Applies supply chain design and transportation through the resolution of a practical case.	Omnichannel. Four generations in the market. eCommerce trends. The role of Distribution in the Supply Chain. Types of Supply Chains. Facility location. Location factors. Types of Transportation. Advantages and disadvantages of different modes of transportation. Multimodal systems. Types of transportation networks. Advantages and disadvantages of different types of transportation networks	Discussion Forum: Purchasing Management. Individual Task: Case 3. The 5 Challenges of the Purchasing Director Post-Coronavirus. Practice 4.
<b>Session 8:</b> <i>At the end of the session, the student proposes and presents the research work through a final presentation with creativity and collaboratively.</i>		Semana 14 a 16
<b>Learning Activities</b>	<b>Contents</b>	<b>Evidence</b>
At the end of the session, the student proposes and presents the research work through a final presentation with creativity and collaboratively.	Explains and shares with the class how the chosen company manages its international operations, taking into account all the concepts developed in the course. Thinking through questions proposed by the professor, they explore how the company has addressed the study topic and how it has evolved over time.	Group oral presentation and defense of the final project (Accredited Product). Final Exam.

<b>Methodology</b>
The course will be developed based on the following methodologies: Collaborative and reflective learning through Case Studies; gamification dynamics; and Research-based Learning; fostering an integrated and progressive learning, contextual and practical, student-centered.

<b>Assessment System</b>				
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.
<b>Evaluación Permanente</b>	<b>60%</b>			
<b>Promedio de Prácticas</b>	<b>35%</b>			
Práctica 1		It includes what has been covered up to week 3.	Semana 3	No

Práctica 2		It includes what has been covered up to week 6.	Semana 6	No
Práctica 3		It includes what has been covered up to week 10	Semana 10	No
Práctica 4		It includes what has been covered up to week 13	Semana 13	No
<b>Promedio de actividades grupales</b>	<b>35%</b>	Constant participation in class throughout the course development.	Semana 15	No
<b>Prueba Final</b>	<b>30%</b>	It includes everything covered in the course	Semana 16	No
<b>Examen Final</b>	<b>40%</b>	Creditable product.	Semana 16	No

<b>Attendance Policy</b>	
<b>Total Percentage Absences Permitted</b>	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>	

<b>Basic Required Reading</b>
<p>[1] Chopra, Sunil, (2017). <i>Supply Chain Management : strategy, planning, and operation</i>. (7a ed.). Pearson Education.</p> <p>[2] Chase, Richard B. (2019). <i>Administración de operaciones: producción y cadena de suministros</i>. (15a ed.). McGraw-Hill.</p> <p>[3] Jacoby, David (2010). <i>Cadena de suministros : guía para una gestión exitosa</i>. Lippa Solutions.</p>

<b>References Supplementary</b>

<b>Prepared by:</b> FERNANDEZ CASTRO, JORGE GIOVANNI / GARCIA ELIAS, FELIX ALBERTO /	<b>Approved by:</b> FERNANDEZ CASTRO, JORGE GIOVANNI	<b>Validated by:</b> Office of Curriculum Development
Date: 19/03/2024	Date: 20/03/2024	Date: 22/03/2024