

Course Title	Information Systems and Logistics			
Course Code	LOGS207			
Course Type	Theoretical			
Level	Diploma/Higher Diploma			
Year / Semester	2 nd year / 3 rd Semester			
Teacher's Name	Chrysikopoulos Constantinos			
ECTS	6	Lectures / week	3	Laboratories / week -
Course Purpose and Objectives	The purpose of this course is to teach students the importance and the role of Information Systems in the management of Logistics within the operation of a modern enterprise			
Learning Outcomes	<p>Upon completion, students are expected to:</p> <ul style="list-style-type: none"> • Be able to analyze the techniques, functions and tools used in modern Information Systems • Emphasize the interconnection of Information Systems to optimize results across the Supply Chain and Logistics • Explain the role of Information Systems in the management of Logistics • Understand and explain the relationship between ERP system software, the management of the warehouse with WMS system and distribution centers with TMS. • Have a full understanding of the importance of visibility of operations in all Logistics processes. • Be able to forecast and plan the capacity and replenishment of distribution centers. • Identify and select the optimal location for warehouse and distribution center facilities. • Know the criteria for the selection of Information Systems • Know the modern trends and innovation in Information Systems 			
Prerequisites			Required	
Course Content	<ul style="list-style-type: none"> ▪ Enterprise Resource Planning (ERP), Warehouse Management System (WMS, Transportation Management System (TMS) software systems and their role in Logistics management ▪ Material Management (MRP), Production Planning & MRP Management, Customer Relationship Management (CRM), Purchasing & Inventory Control, Financial & Accounting Management, Sales & Distribution Options ▪ Configuration of variables for the operation of a WMS system, material attributes and configuration of storage systems and operations ▪ Best practices in a WMS ▪ Configuration of variables for the operation of a TMS system ▪ Best practices in a TMS and distribution management ▪ Information technology, information data interchange (EDI), e-commerce and international product coding ▪ Reporting and Business Intelligence tools ▪ Forecast and planning ▪ Selection of optimal location for warehouse and distribution center facilities. 			

	<ul style="list-style-type: none"> ▪ Criteria for the selection of Information Systems ▪ Modern trends and innovation in Information Systems
Teaching Methodology	The class involves lectures, videos, readings and small group exercises, case studies and discussions.
Bibliography	<ul style="list-style-type: none"> ▪ Murray M. & Kimmatkar S. (2016) Warehouse Management with SAP-ERP: Functionality and Technical Configuration, SAP Press, ISBN: 9781493213634. ▪ Christopher M. (2016) Logistics and Supply Chain Management, FT Press, 5th Edition, ISBN: 9781292083797 ▪ Rushton A., Croucher P., Baker P. (2022) The handbook of Logistics and Distribution Management: Understanding the supply chain, Kogan Page, 6th Edition, ISBN: 9780749476786 eBook Academic Collection (EBSCOhost)
Assessment	<ul style="list-style-type: none"> ▪ Attendance and Participation 10% ▪ Assignment 10% ▪ Intermediate Written Examination 30% ▪ Final Written Examination 50%
Language	English or Greek