

Course Title	Linear Algebra				
Course Code	CSM205				
Course Type	Compulsory				
Level	BSc/1st Cycle				
Year / Semester	2 nd /3 rd				
Teacher's Name	Christos Tsamis				
ECTS	5	Lectures / week	3 hours	Laboratories / week	-
Course Purpose and Objectives	It includes basic themes such as tables, layouts and solving linear systems the concepts of eigenvalues and eigenvectors.				
Learning Outcomes	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Handle vectors and tables. • Solve linear equations. • Calculate eigenvalues and eigenvectors of tables. • Handle Vector spaces and linear transformations • Understand the relationship between tables and linear depictions. • Perform equivalence and similarity transformations in tables. 				
Prerequisites	-	Required	-		
Course Content	<p>Tables Linear Systems Gauss deletion method and Cramer method. Table grade. Investigation of linear systems. Vector spaces: Definitions, attributes and subtree. Linear dependence and independence. Characteristics Sizes - Normal Formats</p>				
Teaching Methodology	Lectures 42 hours				
Bibliography	David Lay, Linear Algebra and its applications, 2016, Pearson Hargreaves, Engineering Mathematics, 2017, Pearson				
Assessment	Final Exam 100%				
Language	English				