Course Title	**Probabilities and Statistics**				
Course Code	**CSM204**				
Course Type	**Compulsory**				
Level	BSc/1st Cycle				
Year / Semester	2nd/3rd				
Teacher's Name	Romana Novakovic/Pavlos Evangelides(Bold is for Pavlos Evangelidse				
ECTS	5	**Lectures / week**	3 hours	**Laboratories / week**	-
Course Purpose and Objectives	This lesson provides a good knowledge of statistical data analysis applications using statistical methods.				
Learning Outcomes	- Graphical and Numerical Data Summing Methods **Elements of Probability Theory** **Probability distributions** - Sampling distributions and Central limit theorem **Construction of space estimates for the average and proportional population** - Statistical decisions using hypothesis testing, chi-square, t-tests.				
Prerequisites	-		**Required**		-
Course Content	Graphical and Numerical data methods **Probabilities.** **Probability distributions.** **Confidence Intervals** Sampling Distributions. Chi-square, T-Tests, Hypothesis Test.				
Teaching Methodology	Lectures 42 hours				
Bibliography	Johnson, R.A. (2009). *Probability and Statistics for Engineer*. Pearson. De Groot, M.H. & Schervish, M. (2011). *Probability and Statistics.* Pearson Hargreaves, Engineering Mathematics, 2017, Pearson				
Assessment	Final Exam 100%				
Language	English				