

COURSE OUTLINE

COURSE TITLE		BUSINESS STATISTICS				CODE:	
YEAR OF STUDY	I	SEMESTER	2		COURSE STATUS (C-COMPULSORY/O-OPTIONAL/E-ELECTIVE)		C
NUMBER OF HOURS PER WEEK		TOTAL NUMBER OF HOURS PER SEMESTER	TOTAL NUMBER OF SELF-STUDY HOURS	CREDITS	TYPE OF ASSESSMENT (MT-MID-TERM, O-ORAL EXAM, M-MIXED)	LANGUAGE OF TEACHING	
		C	S	L	Pr.		
2		2	-	-	56	5	M
COURSE COORDINATOR		ACADEMIC TITLE, FIRST NAME, LAST NAME				DEPARTMENT	
		PROF. LAURA ASANDULUI				EACSI	
PREREQUISITE COURSES							
COURSE OBJECTIVES		Main objective: Students will be able to analyze relevant data using computer-based technology and apply the results to make business decisions concerning the specific question or problem.					
		SPECIFIC OBJECTIVES: <u>KNOWLEDGE</u> , <u>ABILITIES</u> AND/OR <u>COMPETENCIES</u> i) <u>Cognitive competencies (knowledge)</u> ii) <u>Functional competencies</u> (competencies in applying statistics to business decisions) iii) <u>Personal competencies</u> iv) <u>General competencies</u>					
COURSE OUTLINE		NAME OF CHAPTER/ TOPIC					No. of
		hours					_____
SEMINAR/LAB TOPICS		1. Data and Statistics					2
		2. Descriptive Statistics					6
		3. Introduction to Probability					2
		4. Sampling Distributions					4
		5. Estimation					4
		6. Hypothesis Testing					4
		7. Regression Analysis					6
		TEACHING METHODS		1. Units, variables and observations			
2. Numerical methods							
3. Probability distributions							
4. Sampling distributions, expected values, standard deviations, central limit theorem, statistical process for inferences							
5. Interval estimation							
6. Comparisons involving means and proportions							
7. Simple linear regression analysis							
		Interactive, examples					

BIBLIOGRAPHY	<ul style="list-style-type: none"> • David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, <i>Statistics for Business and Economics</i>, 2007 • David S. Moore, George P. McCabe, William M. Duckworth, Layth Alwan, <i>The Practice of Business Statistics</i>, 2008 • Ken Black, <i>Business Statistics: For Contemporary Decision Making</i>, 2007 • Mark L. Berenson, David M. Levine, Timothy C. Krehbiel, <i>Basic Business Statistics</i> (11th Edition), 2008 • David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, <i>Essentials of Statistics for Business and Economics</i>, 2008 • Etc.
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ASSESSMENT	TERMS	Class participation, homeworks
	CRITERIA	
	TYPES	Tests, final exam
	FINAL GRADE FORMULA	$0,2 \cdot \text{homeworks} + 0,4 \cdot \text{tests} + 0,4 \cdot \text{final exam}$