

**H.U. INSTITUTE OF HEALTH SCIENCES
COURSE SYLLABUS**

PROGRAM NAME			BIOSTATISTICS		
CODE	BIS 603	TITLE	STATISTICAL COMPUTING I		
LECTURER (S)			INSTRUCTOR ERDEM KARABULUT, PhD INSTRUCTOR PINAR ÖZDEMİR GEYİK, PhD		
TYPE	<input checked="" type="checkbox"/> COMPULSORY <input type="checkbox"/> SELECTIVE	LANGUAGE	<input checked="" type="checkbox"/> TURKISH <input type="checkbox"/> ENGLISH	LEVEL	<input checked="" type="checkbox"/> MASTER OF SCI. <input type="checkbox"/> DOCTORATE <input type="checkbox"/> PREREQ. PREP.

THEORETICAL (HRS/WK)	2	PRACTICAL (HRS/WK)	2	H.U. CREDIT	3	ECTS CREDIT	7
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WHAT IS THE IMPORTANCE OF THIS COURSE IN THE PROGRAM'S LEARNING OBJECTIVES		
PRE-REQUISITE(S)	Being enrolled in or having completed BIS535	
COURSE OBJECTIVES	Data entry, data management and statistical analysis in Excel and SPSS programs will be taught to the students. Both theoretical lectures and practice hours will be carried out during the course.	
LEARNING OUTCOMES AND ACQUIRED COMPETENCES	Students will be able to manage the data, draw graphics, edit graphics, build tables and carry out basic statistical analysis by using Excel and SPSS.	
COURSE CONTENT	General characteristics of Excel and SPSS programs, data entry, data import and export among different programs, drawing graphics, editing outputs, graphics and tables and carrying out basic statistical analysis.	
COURSE SCHEDULE	Week 1	General characteristics of Excel and SPSS programs
	Week 2	Data entry and management in Excel
	Week 3	Data entry and management in SPSS
	Week 4	Practice
	Week 5	Data import and export among different programs
	Week 6	Descriptive statistics
	Week 7	Practice
	Week 8	Editing output files and other files
	Week 9	Drawing and editing graphics
	Week 10	Drawing and editing graphics
	Week 11	Practice
	Week 12	Hypothesis Tests
	Week 13	Hypothesis Tests
	Week 14	Practice
	Week 15	General Practice – Discussion
SUGGESTED COURSE MATERIAL	Guidelines and handbooks of related software	

TEACHING METHODS	Presentations, discussions and practice within class following the theoretical lectures given by the instructor.
ASSESSMENT METHODS	Final grade is calculated on the basis of two mid-term exams (50%) and a final exam (50%).