

ECTS COURSE DESCRIPTION FORM									
PART I (Senate Approval)									
Offering School	Antalya Bilim University Faculty of Health Sciences					Offering Department	Nursing		
Program(s) Offered to	Nursing								
Course Name	Biostatistics					Course Code	HEM322		
Level of Course	Licence					Type of Course	Compulsory		
Language of Instruction	Turkish					ECTS Credits	2		
Hours per Week	Lecture:	2	Practical:	0	Studio:	0			
	Laboratory:	0	Recitation:	0	Other:				
Pre-requisites	None					Co-requisites			
Registration Restriction	None					Grading Mode			
Educational Objective	To be able to statistically evaluate the data collected in the field of health and to make a decision.								
Course Description	The content of the course consists of science, scientific method, statistics and biostatistics concepts, basic biostatistics concepts, variable types, SPSS program, statistical tests.								
Learning Outcomes	LO1	Can explain the basic concepts related to statistics.							
	LO2	Can use and interpret the frequency distribution.							
	LO3	Can organize and analyze data							
	LO4	Can use probability distributions in statistical hypothesis tests.							
	LO5	Can use and evaluate sampling distributions, statistical estimation and inference.							
PART II (Faculty Board Approval)									
		Program Outcomes	LO1	LO2	LO3	LO4	LO5		
Basic Outcomes (University-wide)	PO1	Ability to communicate effectively with oral, written and visual methods, report writing and presentation.	✓	✓	✓	✓	✓		
	PO2	Ability to work effectively both individually and in disciplinary and multi-disciplinary teams.							
	PO3	Awareness of the necessity of lifelong learning and the ability to access information, to follow developments in science and technology, and to constantly renew itself.	✓					✓	
	PO4	Information about project management, risk management, innovation and change management, entrepreneurship, and sustainable development.							
	PO5	Awareness about sectors and ability to prepare business plans.							
	PO6	Awareness of professional and ethical responsibility and acting in accordance with ethical principles.							
Faculty Specific Outcomes	PO7	To have universal thoughts and values	✓	✓	✓	✓			
	PO8	To be committed to academic and ethical values,			✓				
	PO9	To provide qualified education, research and consultancy services at universal information and technology standards						✓	
	PO10	To be open to new goals, strategies and action plans that will take undergraduate and graduate education / training programs and scientific studies further							
	PO11	To support, maintain and increase interdisciplinary / multidisciplinary studies in the services provided.							
	PO12	To contribute and develop health policies for the benefit of the country.							
Program Specific Outcomes	PO13	Using theoretical, evidence-based and applied knowledge in the field of nursing, with a holistic and systematic approach to the individual, family and society; Gives culturally sensitive nursing care, evaluates and records the effect of care.	✓			✓	✓		
	PO14	It determines the health education needs of the individual, family and society, and provides training and consultancy in this direction.							
	PO15	Uses problem solving, decision making, critical thinking and leadership skills in the field of nursing.		✓	✓				
	PO16	Communicates by expressing her opinions, having the ability to work individually and make independent decisions.							
	PO17	Respects human rights and dignity by acting in accordance with the relevant legislation, professional values and ethical principles in nursing education, practice, research and management			✓				
	PO18	It works in cooperation with disciplinary and interdisciplinary team members.							
	PO19	Uses information and care technologies in nursing education, practice, research and management.	✓	✓	✓	✓	✓		
	PO20	In line with the lifelong learning approach, he / she reaches scientific and current information specific to the field of nursing, evaluates the accuracy, validity and reliability of the information.							
	PO21	It fulfills the responsibility of producing scientific knowledge specific to nursing by participating in all kinds of research, projects and activities that will contribute to individual and professional development	✓	✓	✓	✓	✓		
	PO22	Uses at least one foreign language at a level to reach scientific information and communicate effectively.							

PART III (Department Board Approval)										
Course Contents, Contribution of Course Contents to Learning Outcomes, and Methods for Assessing Learning of Course Contents	Subject	Week	Details of Course Contents		LO1	LO2	LO3	LO4	LO5	
	S1	1	Definitions, data types, frequency distributions, examples of frequency distributions, calculation of percentages of classes		A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S2	2	Examples of descriptive data, mean, extreme value average		A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S3	3	Median, peak value, geometric mean, harmonic mean, weighted average		A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S4	4	Quarters and percentages, example problems, percentil rulers		A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S5	5	The diffuseness measures of the distribution are standard		A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S6	6	Table and graphic making, examples		A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S7	7	Midterm							
	S8	8	Theoretical distributions, area calculations		A1	A1	A1	A1	A1	
	S9	9	Hypothesis tests, hypothesis examples		A1	A1	A1	A1	A1	
	S10	10	Parametric tests		A1	A1	A1	A1	A1	
	S11	11	Parametric tests		A1	A1	A1	A1	A1	
	S12	12	Non-parametric tests, Chi-square test		A1	A1	A1	A1	A1	
	S13	13	Non-parametric tests,		A1	A1	A1	A1	A1	
	S14	14	Final exam		A1	A1	A1	A1	A1	
Assessment Methods, Weights in Grading Scheme, Implementation and Make-Up Rules	No	Type			Weight	Implementation Rule		Make-Up Rule		
	A1	Exam-Final Jury,Final Project			60%	Students are evaluated with multiple choice/classic/fill-in-the-blank methods, covering all the topics covered during 14 weeks.		Students who cannot take the final exam due to an excuse and whose excuse is accepted by the Unit Board take the make-up exam on the date determined by the Unit		
	A2	Quiz								
	A3	Homework								
	A4	Midterm			40%	Exams are held for all subjects covered until the mid-term exam period.				
	A5	Project								
	A6	Presentation								
	A7	Attendance/Interaction								
	A8	Class/Lab./								
	A9	Others								
TOTAL										
Evidence of Achievement of Learning Outcomes										
Method for Determining Letter Grade	Direct Conversion System ("DDS" in the regulation.)				<input type="checkbox"/>	Relative Evaluation ("BDS" in the regulation.)				
	A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below)									
		Success Grade Range	Letter Success Note	Success Coefficient	Success Assessment					
		95-100	A+	4,00	Successful					
		85-94	A-	3,70	Successful					
		80-84	B+	3,30	Successful					
		75-79	B	3,00	Successful					
		65-74	B-	2,70	Successful					
		60-64	C +	2,30	Successful					
		55-59	C	2,00	Successful					
	50-54	C-	1,70	Passes						
	45-49	D+	1,30	Unsuccessful						
	40-44	D	1,00	Unsuccessful						
	0-39	F	0	Unsuccessful						
Teaching Methods, Student Work Load	No	Method				Explanation			Total Hours	
	Time expected to be allocated by instructor									
	1	Lecture				Lesson topics are explained by writing on the board or with a computer presentation. Sample questions are solved during the lesson.			28	
	2	Interactive Lecture								
	3	Recitation								
	4	Laboratory								
	5	Practical								
	6	Field Work								
	Time expected to be allocated by student									
	7	Project								
	8	Homework								
	9	Pre-class Learning of Course Material				New topics are learned before being taught in the classroom.			14	
	10	Review of Course Material				Topics are repeated to prepare for exams and assignments.			28	
	11	Studio								
	12	Office Hour				One-on-one meeting with the faculty member			14	
Calculated ECTS Credit(s)			Max.	4	Min.	3	Grand Total		84	

IV. PART

Instructor	Name Surname	
	E-mail	
	Phone Number	
	Office Number	
	Office Hours	
Course Materials	Mandatory	
	Recommended	Erçetin, ŞŞ. Araştırma Teknikleri. Nobel Akademik Yayıncılık, Ankara, 2020. Sümbüloğlu K, Sümbüloğlu V. Biyoistatistik. Hatiboğlu Yayınev, Ankara, 2018.
Other	Scholastic Honesty	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a serious academic violation and will result in a disciplinary action. It is explained in Article 25 of the Directive on Associate and Undergraduate Programs of Antalya Bilim University.
	Students with Disabilities	Reasonable accommodations will be made for students with verifiable disabilities.
	Safety Issues	
	Flexibility	Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes.

Form No: ÜY-FR-1047 Yayın Tarihi 01.04.2021 Değ. No 0 Değ. Tarihi-