

# STATISTICAL METHODS

1	Course Title:	STATISTICAL METHODS	
2	Course Code:	AYHS207	
3	Type of Course:	Optional	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. SİNAN BABAYİĞİT	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları	
16	Contact information of the Course Coordinator:	sbabayigit@uludag.edu.tr Telefon: +90 (224) 841 24 39 Adres: Uludağ Üniversitesi Büyükorhan Meslek Yüksekokulu, Orhan Mah., Dr. İbrahim Öktem Cad., No: 28, 16990 Büyükorhan/Bursa	
17	Website:		
18	Objective of the Course:	To acquaint students with the skills of usage of statistical methods, choice of correct method, interpretation of results	
19	Contribution of the Course to Professional Development:	This course will give the candidates who will become forest technicians the ability to collect data in field studies, to convert them to digitalization and to convert them into visual presentations.	
20	Learning Outcomes:		
		1	To be able to describe and explain basic statistical concepts
		2	To be able to use statistical methods
		3	To be able to compare independence data groups
		4	To be able to choose correct methodology
		5	To be able to apply univariate parametric tests and interpret the results
		6	To be able to apply univariate nonparametric tests and interpret the results
		7	To be able to statistically formulate a factual problem
		8	To be able to interpret all the result from statistical study
		9	
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Definition and areas of usage		
2	Descriptive statistics, examination of sample		

<b>3</b>	Location and distribution scales (medians)	
<b>4</b>	Probability	
<b>5</b>	Binomials, poisson and normal distributions	
<b>6</b>	Sampling and sampling distributions	
<b>7</b>	Theory of estimation	
<b>8</b>	Repeating courses and midterm exam	
<b>9</b>	Hypothesis tests	
<b>10</b>	Chi squared tests	
<b>11</b>	Non-parametric tests	
<b>12</b>	Variance analysis	
<b>13</b>	Regression analysis	
<b>14</b>	Correlation analysis	
<b>22</b>	Textbooks, References and/or Other Materials:	[1] Kalıpsız, A. 1981. İstatistik Yöntemler, İ.Ü. Orman Fakültesi Yayın No: 294. [2] Eler, Ü., 2002. Ormancılık Biyometrisi, SDÜ Orman Fakültesi Yayın No:21 [3] Batu, F. 1995. Uygulamalı İstatistik Yöntemler, KTÜ Orman Fakültesi yayın No:22
<b>23</b>	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBE R</b>
Midterm Exam		1
Quiz		0
Home work-project		0
Final Exam		1
Total		2
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation is carried out according to the principles of Bursa Uludağ University Associate and Undergraduate Education Regulation
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	14.00	14.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK2	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK3	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK4	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK5	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
<b>LO: Learning Objectives PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>			<b>2 low</b>			<b>3 Medium</b>			<b>4 High</b>			<b>5 Very High</b>			