Course Syllabus

Code - Course Title	**İST301 - Statistics and Probability I**
Course Type	V. SEMESTER
Laboratory + Practice	2+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ATİLLA ASLANARGUN

Mode of Delivery	The mode of delivery of this course is face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic concepts of probability	
Week - 2		Probabilities of special events	
Week - 3		Random variable, probability function, probability density function	
Week - 4		Distribution Function	
Week - 5		Expected value and moments	
Week - 6		Descrete uniform distribution, Bernoulli distribution	
Week - 7		Binom Distribution - I	
Week - 8		Binom Distribution - II	
Week - 9		Hipergeometrical distribution	
Week - 10		Poisson distribution	
Week - 11		Continuos uniform distribution	
Week - 12		Exponantial distrubition	
Week - 13		Normal Distribution - I	
Week - 14		Normal Distribution - II	

Learning Outcomes

#	Learning Outcome
1	define the principal concepts about probability.
2	express the concept of probability and its features.
3	explain the concept of a random variable and the probability distributions.
4	calculate the expected value and the moments.
5	explain major distributions of random variables.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	35
Final Exam	1	50
Homework	1	15
	Sum (%)	**100**