Course Syllabus

Code - Course Title	**VBA104 - Fundamental Statistics**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	İngilizce
Course Type	Required Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ÖNDER DORAK

Mode of Delivery	Face to face

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Statistical Estimation: Sampling distributions	
Week - 2		Point estimation techniques	
Week - 3		Interval estimation	
Week - 4		Confidence intervals	
Week - 5		Hypothesis Testing: Fundamentals of testing	
Week - 6		One-sample t-tests	
Week - 7		Two-sample t-tests and Z-tests	
Week - 8		Advanced Testing: Chi-square test of independence	
Week - 9		Analysis of Variance (ANOVA)	
Week - 10		Correlation: Pearson’s correlation coefficient	
Week - 11		Regression: Simple linear regression	
Week - 12		Least squares method	
Week - 13		Index Numbers: Simple index numbers	
Week - 14		Composite index numbers	

Learning Outcomes

#	Learning Outcome
1	Construct robust statistical confidence intervals
2	Conduct one-sample and two-sample hypothesis tests

Learning Outcomes

#	Learning Outcome
3	Perform ANOVA and chi-square independence tests
4	Apply least squares simple linear regression

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.