Course Syllabus

Code - Course Title	**İŞY510 - Business Statistics and Forecasting Methods**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	İngilizce
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. FİKRET ER

Mode of Delivery	Face to Face
Prerequisites	None
Courses Recomended	None
Recommended Resources	J.E. Hanke and D.W. Wichern "Business Forecasting", 8th edition, Pearson 2005
Work Placement	None

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Statistics, Basic Concepts	
Week - 2		Probability Theory	
Week - 3		Estimation and Hypothesis testing	
Week - 4		Introduction to Forecasting	
Week - 5		Data Analysis	
Week - 6		Choosing a forecasting technique	
Week - 7		Midterm exam; Determining the adequacy of a forecasting technique	
Week - 8		Moving averages	
Week - 9		Exponential smoothing methods	
Week - 10		Time series and their components	
Week - 11		Simple Linear Regression	
Week - 12		Multiple Regression Analysis	
Week - 13		The Box-Jenkins (ARIMA) Methodology	
Week - 14		Review of the course and Final Exam	

Learning Outcomes

#	Learning Outcome
1	Has Knowledge on Statistics
2	Knows the time series
3	Can create a forecast

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 (%)
Final Exam	1	60
Homework	1	40
	Sum (%)	**100**