Course Syllabus

Code - Course Title	**VBA204 - Introduction to Business Spreadsheets**
Course Type	IV. SEMESTER
Laboratory + Practice	2+1
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		Spreadsheet Basics: Navigating the interface	
Week - 2		Absolute and relative cell referencing	
Week - 3		Basic mathematical and statistical formulas	
Week - 4		Advanced Functions: Mastering VLOOKUP and XLOOKUP	
Week - 5		Using INDEX/MATCH logic	
Week - 6		Implementing logical functions (IF, AND, OR)	
Week - 7		Utilizing array formulas	
Week - 8		Data Analysis: Constructing dynamic PivotTables	
Week - 9		Conducting What-If analysis and Goal seek	
Week - 10		Creating interactive data dashboards	
Week - 11		Advanced dashboard visualization techniques	
Week - 12		Automation and Macros: Recording basic macros	
Week - 13		Introduction to VBA scripting	
Week - 14		Automating repetitive data cleaning tasks	

Learning Outcomes

#	Learning Outcome
1	Master advanced logical functions and cell referencing
2	Construct dynamic PivotTables for complex analysis

Learning Outcomes

#	Learning Outcome
3	Create interactive data dashboards using Excel
4	Automate repetitive tasks using Macros and VBA scripting

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.