Course Syllabus

Code - Course Title	**OGP104 - Programming II**
Course Type	II. SEMESTER
Laboratory + Practice	3+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DOÇ. DR. ÖZER ÇELİK

Mode of Delivery	Face to Face
Prerequisites	There are no prerequisites.
Courses Recomended	It is not available.
Recommended Resources	It will be announced later.
Work Placement	It is not available.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Advanced Programming	
Week - 2		Functional Programming	
Week - 3		Data Structures and Algorithms	
Week - 4		Lists, bundles, sets, and dictionaries	
Week - 5		Sorting and search algorithms	
Week - 6		Recursive functions	
Week - 7		Object-Oriented Programming (OOP)	
Week - 8		Classes and objects, inheritance, polymorphism, and abstract classes	
Week - 9		GUI Programming and GUI Application Development	
Week - 10		Creating windows and widgets	
Week - 11		Database Operations	
Week - 12		Database Operations	
Week - 13		Project Development	
Week - 14		Project presentations and evaluations	

Learning Outcomes

#	Learning Outcome
1	Knows advanced programming topics.
2	Understands data structures and algorithms.
3	Possesses advanced programming skills.

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.