Course Syllabus

Code - Course Title	**AYG110 - Integrated Development Environments**
Course Type	II. SEMESTER
Laboratory + Practice	2+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	ÖĞR. GÖR. GÜVENÇ USANMAZ

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		Definition and importance of integrated development environments	
Week - 2		CI/CD Fundamentals	
Week - 3		CI/CD Fundamentals Continued	
Week - 4		Continuous Delivery (CD)	
Week - 5		CD Strategies	
Week - 6		Docker and Containerization	
Week - 7		CI/CD Integration with Docker	
Week - 8		Kubernetes and Orchestration	
Week - 9		Kubernetes Installation	
Week - 10		Integration of CI/CD Tools with Kubernetes	
Week - 11		YAML and Infra Coding	
Week - 12		Using YAML Files	
Week - 13		Security and Performance Best Practices	
Week - 14		Implementation and Evaluation	

Learning Outcomes

#	Learning Outcome
1	Introduce students to integrated development environments.
2	Enabling coding by providing multiple tools in one place.
3	Enable students to efficiently develop software code using integrated development environments.

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.