Course Syllabus

Code - Course Title	**DOT216 - Basics of Robotics**
Course Type	IV. SEMESTER
Laboratory + Practice	1+1
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	ARAŞ. GÖR. DR. ALİ HAYDAR BÜLBÜL

Mode of Delivery	Face-to-face
Prerequisites	-
Courses Recomended	-
Recommended Resources	-
Work Placement	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Physical programming and robots	
Week - 2		Structure and architecture of robots	
Week - 3		Types of robots and educational robots	
Week - 4		Mechanical components in physical programming	
Week - 5		Electromechanical components in physical programming	
Week - 6		Electronical components in physical programming	
Week - 7		Physical programming software and environments	
Week - 8		Physical programming software and environments	
Week - 9		Physical programming software and environments	
Week - 10		Physical programming software and environments	
Week - 11		Structures used in physical programming	
Week - 12		Design of a robot-based project	
Week - 13		Developing robot-based project	
Week - 14		Developing robot-based projects	

Learning Outcomes

#	Learning Outcome
1	Define robot
2	List and explain types of robots
3	Explain structure and architecture of robots
4	List components of robots and explain their functions
5	Identify physical programming environments and use them purposefully
6	Design and develop a functional robot

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.