

T.C.
AKDENİZ ÜNİVERSİTESİ
FEN FAKÜLTESİ
UZAY BİLİMLERİ VE TEKNOLOJİLERİ BÖLÜMÜNDE
2017-2018 EĞİTİM-ÖĞRETİM YILINDA YABANCI DİLDE AÇILACAK DERSLER

V.YARIYIL

DERSİN KODU	DERSİN ADI	DERS DURUMU	KURAMSAL SAATİ	UYGULAMA SAATİ	TOPLAM SAAT	KREDİSİ (AKTS)	DERS İÇERİKLERİ
UBT327	Digital Terrain Modelling	S	3	0	3	6	Basic concepts, Data sources, <u>Enterpolation</u> methods, derivations, filtering, feature extraction, volume calculations, application examples.

VII.YARIYIL

DERSİN KODU	DERSİN ADI	DERS DURUMU	KURAMSAL SAATİ	UYGULAMA SAATİ	TOPLAM SAAT	KREDİSİ (AKTS)	DERS İÇERİKLERİ
UBT 421	Laser Scanning/LIDAR	S	3	0	3	5	Physical and geometric Fundamentals of airborne, terrestrial laser scanners; Geometric transformations for airborne, terrestrial laser scanner data's; Pre-processing of the airborne, terrestrial point clouds. Mesh generation from airborne, terrestrial point clouds; 3D object modelling algorithms and software for airborne, terrestrial point cloud processing; The problems and solutions for 3D object modelling of airborne, terrestrial laser scanning data.

VIII.YARIYIL

DERSİN KODU	DERSİN ADI	DERS DURUMU	KURAMSAL SAATİ	UYGULAMA SAATİ	TOPLAM SAAT	KREDİSİ (AKTS)	DERS İÇERİKLERİ
UBT 422	Radar/SAR Remote Sensing	S	3	0	3	5	Physical and geometric Fundamentals of radar satellites, Speckle filtering, Radar modes, Interferometry, Polarimetry, Information Extraction, Data Processing, Sentinel Data Processing, SAR.