



# ÇANKAYA ÜNİVERSİTESİ

## MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ



MECE 2023-2024 – SPRING

### TECHNICAL ELECTIVE COURSES

Code	Course Name	T P C	ECTS
<b>ME</b>			
ME 402	Introduction to Finite Element Analysis *	3 0 3	5
ME 410	Metal Cutting	3 0 3	5
ME 424	Introduction to Construction Machinery *	3 0 3	5
ME 451	Non-Destructive Testing of Materials	3 0 3	5
ME 415	Thermal System Design <sup>Ψ</sup>	3 0 3	5
ME 445	Computer Aided Design and Manufacturing	3 0 3	5
ME 451	Non-Destructive Testing of Materials	3 0 3	5
<b>MSE</b>			
MSE 427	Electronic, Optical and Magnetic Materials and Devices	3 0 3	5
<b>EE</b>			
EE 452	Microwave Circuit Design	2 2 3	5
EE 467	Digital Signal Processing	3 0 3	5
EE 402	Applied Telecommunication Design	3 2 3	5
EE 465	Power Systems	3 0 3	5
EE 451	Antenna Theory	3 0 3	5
EE 455	Performance Management of Computer Networks	3 0 3	5
EE 457	Traffic Management of Internet Protocol	3 0 3	5
EE 472	Linear Systems: Control Design and Analysis	3 0 3	5
EE 304	Telecommunication Essentials	3 0 3	5
EE 326	Power Electronics	3 0 3	5
<b>CENG</b>			
CENG 476	Big Data	3 0 3	5
CENG 481	Artificial Neural Networks	3 0 3	5
CENG 480	Machine Learning	3 0 3	5
CENG 462	Digital Image Processing	3 0 3	5
CENG 218	Data Structures <sup>Ψ</sup>	3 2 4	7
<b>SENG</b>			
SENG 438	Software Process Management	3 0 3	5
SENG 477	Data Intensive Applications (Big Data)	3 0 3	5
SENG 460	Introduction to Deep Learning	3 0 3	5
<b>MECE</b>			
MECE 444	Pattern Recognition	3 0 3	5

\* Hidromek Opsiyon Programı'na kayıtlı olan öğrencilerin alması zorunlu olan derslerdir. Bu derslere kayıt olabilmek için Dr. Eyüp Koçak ile ([eyupkocak@cankaya.edu.tr](mailto:eyupkocak@cankaya.edu.tr) adresinden) iletişime geçilmelidir.

<sup>Ψ</sup> Bu ders ön koşullu bir dersdir, dersi seçmeden önce dersin Öğretim üyesi ile irtibata geçiniz.