

ÇİFT ANADAL PROGRAMLARI İÇİN ÖNERİ EŞDEĞER DERS ÇİZELGESİ

UYGULAMA BİÇİMİ : 2020/2021 Yılı Güz Yarıyılından itibaren ÇAP'a yeni başlayan öğrencileri kapsayacaktır.

İkinci Anadal Eğitim Planı Senato Karar Tarihi: 22.08.2024

İnşaat Mühendisliği Bölümü Birinci Anadal Eğitim Planı Senato Karar Tarihi: 03.11.2022

Endüstri Mühendisliği Bölümü Birinci Anadal Eğitim Planı Senato Karar Tarihi: 10.10.2012

Elektrik-Elektronik Mühendisliği Bölümü Birinci Anadal Eğitim Planı Senato Karar Tarihi: 22.08.2024

Yazılım Mühendisliği Bölümü Birinci Anadal Eğitim Planı Senato Karar Tarihi: 22.08.2024

Matematik Bilgisayar Bilimleri Bölümü Birinci Anadal Eğitim Planı Senato Karar Tarihi: 05.09.2024

Yukarıda Senato kararları belirtilen ders planlarındaki eşdeğer verilen derslerin intibak ile değişmesi durumunda aşağıdaki eşdeğer tablosu içinde ilgili intibak geçerli sayılarak uygulama yapılacaktır.

BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜNDE ÇİFT ANADAL EĞİTİMİ ALACAK MÜHENDİSLİK FAKÜLTESİ BÖLÜM ÖĞRENCİLERİ İÇİN EŞDEĞER DERS ÇİZELGESİ

DERS KODU	BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ	AKTS	İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ	ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ	ELEKTRİK - ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ	YAZILIM MÜHENDİSLİĞİ BÖLÜMÜ	MATEMATİK BİLGİSAYAR BİLİMLERİ BÖLÜMÜ	DİĞER TÜM BÖLÜMLER
COM1000	Programming Fundamentals	7		IE2002 Introduction to Programming	EE1021 Programming for Engineers	SEN1000 Programming Fundamentals	MB0007 Programlama Dilleri I	
COM1003	Foundations of Computing Systems	6		IE1001 Introduction to Computing		SEN1003 Foundations of Computing Systems	MB0004 Bilgisayar Bilimlerine Giriş	
MCB1001	Calculus I	7	MCB1001 Calculus I	MCB1001 Calculus I	MCB1010 Accelerated Calculus I	MCB1001 Calculus I	MB0001 Analiz I	MCB1001 Calculus I
PHY1005	Physics I	7	PHY1005 Physics I	PHY1005 Physics I	PHY1005 Physics I	PHY1005 Physics I	MB1022 Fizik I	PHY1005 Physics I
ATA1001	Principles of Atatürk & History of Reforms I	2	ATA1001 Principles of Atatürk & History of Reforms I	ATA1001 Principles of Atatürk & History of Reforms I	ATA1001 Principles of Atatürk & History of Reforms I	ATA1001 Principles of Atatürk & History of Reforms I	ATA1001 Atatürk İlkeleri ve İnkılap Tarihi I	ATA1001 Principles of Atatürk & History of Reforms I
TR1001	Turkish I	2	TR1001 Turkish I	TR1001 Turkish I	TR1001 Turkish I	TR1001 Turkish I	TR1001 Türkçe I	TR1001 Turkish I
COM1101	Academic English for Computer Engineering I	3	CE1011 Academic English for Civil Engineering I	IE1702 Academic English for Industrial Engineering I	EE1011 Academic English for Electrical and Electronics Engineering I	SEN1101 Academic English for Software Engineering I	YD11001 Yabancı Dil I (İngilizce)	
COM2002	Intermediate Programming	7				SEN2002 Intermediate Programming	MB0012 Programlama Dilleri II	
COM2094	Chemistry	7	CE1001 General Chemistry	IE2602 General Chemistry	EE2021 Chemistry	SEN2094 Chemistry		
MCB1002	Calculus II	7	MCB1002 Calculus II	MCB1002 Calculus II	MCB1011 Accelerated Calculus II	MCB1002 Calculus II	MB0005 Analiz II	MCB1002 Calculus II
PHY2005	Physics II	7	PHY2005 Physics II	PHY2005 Physics II		PHY2005 Physics II	MB1027 Fizik II	PHY2005 Physics II
ATA2001	Atatürk's Principles and History of Turkish Revolution II	2	ATA2001 Atatürk's Principles and History of Turkish Revolution II	ATA2001 Atatürk's Principles and History of Turkish Revolution II	ATA2001 Atatürk's Principles and History of Turkish Revolution II	ATA2001 Atatürk's Principles and History of Turkish Revolution II	ATA2001 Atatürk İlkeleri ve İnkılap Tarihi II	ATA2001 Atatürk's Principles and History of Turkish Revolution II
TR2001	Turkish II	2	TR2001 Turkish II	TR2001 Turkish II	TR2001 Turkish II	TR2001 Turkish II	TR2001 Türkçe II	TR2001 Turkish II
COM2102	Academic English for Computer Engineering II	3	CE2011 Academic English for Civil Engineering II	IE2703 Academic English for Industrial Engineering II	EE2011 Academic English for Electrical and Electronics Engineering II	SEN2102 Academic English for Software Engineering II	YD2001 Yabancı Dil II (İngilizce)	
CPC0001	Career Planning	0	CPC0001 Career Planning	CPC0001 Career Planning	CPC0001 Career Planning	CPC0001 Career Planning		CPC0001 Career Planning
COM3003	Object Oriented Programming	7				SEN3003 Object Oriented Programming		
COM3021	Digital Design	6			EE3222 Logic Design			
COM3013	Discrete Structures	7				COM3013 Discrete Structures		
COM3209	Academic Writing and Presentation Skills	4			EE6021 Technical Writing and Presentation	SEN3209 Academic Writing and Presentation Skills		
MCB1004	Linear Algebra	6		MCB1004 Linear Algebra	MCB1004 Linear Algebra	MCB1004 Linear Algebra	MB0006 Lineer Cebir I	
	Elective (minimum 2 AKTS)	2	Elective (minimum 2 AKTS)	Elective (minimum 2 AKTS)	Non-Departmental Elective	Non-Departmental Elective	Seçimlik Alan Dışı (minimum 2 AKTS)	Elective (minimum 2 AKTS)
COM4061	System Analysis and Design	6						
COM4024	Microprocessors	6			EE5203 Microprocessors			
COM4004	Data Structures and Algorithms	7				SEN4004 Data Structures and Algorithms		
COM4023	Computer Organization	6				COM4023 Computer Organization		
COM4050	Signals and Systems	6			EE3421 Signals and Systems			
	Elective (minimum 2 AKTS)	2	Elective (minimum 2 AKTS)	Elective (minimum 2 AKTS)	Non-Departmental Elective	Non-Departmental Elective	Seçimlik Alan Dışı (minimum 2 AKTS)	Elective (minimum 2 AKTS)
MCB1007	Introduction to Probability Theory and Statistics	6	MCB1007 Introduction to Probability Theory and Statistics	IE3101 Introduction to Probability		MCB1007 Introduction to Probability Theory and Statistics	MB0017 Olasılık ve İstatistik	MCB1007 Introduction to Probability Theory and Statistics
COM5005	Web Programming	6				SEN5005 Web Programming		
COM5031	Operating Systems	6				COM5031 Operating Systems		
COM5041	Database Design and Development	6				COM5041 Database Design and Development		

COM5091	Internship I	2,5						
	Departmental Elective (minimum 6 AKTS)	6						
COM6032	Computer Networks	6				COM6032 Computer Networks		
COM6064	Software Engineering	6						
MCB1008	Numerical Methods	6	MCB1008 Numerical Methods	IE4004 Numerical Analysis for Industrial Engineers	EE3102 Numerical Methods For Electrical Engineers	MCB1008 Numerical Methods	MB0028 Nümerik Analiz I	MCB1008 Numerical Methods
	Departmental Elective (minimum 12 AKTS)	12						
COM7311	Strategy, Ethics, and Entrepreneurship	3				COM7311 Strategy, Ethics, and Entrepreneurship		
COM7093	Economics for Engineers	2		IE4503 Engineering Economics		COM7093 Economics for Engineers		
COM7092	Internship II	2,5						
	Departmental Elective (minimum 24 AKTS)	24						
COM8090	Capstone Project	10						
	Departmental Elective (minimum 18 AKTS)	18						

Seçmeli Alan Dersleri

COM0401	Special Topics in Computer Engineering	6				COM0401 Special Topics in Computer Engineering		
COM0402	Case Studies in Computer Engineering	6				COM0402 Case Studies in Computer Engineering		
COM0403	Special Topic in Artificial Intelligence	6				COM0403 Special Topic in Artificial Intelligence		
COM0404	Cyber Systems and Information Security	6				COM0404 Cyber Systems and Information Security		
COM0405	Co-op Practice	6				COM0405 Co-op Practice		
COM0410	Artificial Intelligence	6				COM0410 Artificial Intelligence	MB0058 Yapay Zeka	
COM0411	Fundamentals of Data Science	6				COM0411 Fundamentals of Data Science		
COM0412	Data Warehouses and Data Mining	6		IE0104 Introduction to Data Mining		COM0412 Data Warehouses and Data Mining		
COM0413	Machine Learning	6		IE0107 Applied Machine Learning		COM0413 Machine Learning		
COM0414	Big Data Analytics	6				COM0414 Big Data Analytics		
COM0415	Applied Deep Learning	6				COM0415 Applied Deep Learning		
COM0416	Natural Language Processing	6				COM0416 Natural Language Processing		
COM0417	Web Mining	6				COM0417 Web Mining		
COM0418	Image Processing	6			EE0814 Introduction to Image Processing	COM0418 Image Processing		
COM0419	Graphical User Interface Design and Development	6				COM0419 Graphical User Interface Design and Development		
COM0420	Computer Vision	6				COM0420 Computer Vision		
COM0430	Cryptography	6				COM0430 Cryptography		
COM0431	Networks Security	6				COM0431 Networks Security	MB0056 Networks Security	
COM0432	Fundamentals of Blockchain	6				COM0432 Fundamentals of Blockchain		
COM0433	Cyber System and Data Security	6				COM0433 Cyber System and Data Security		
COM0434	Cloud Computing and Security	6				COM0434 Cloud Computing and Security		
COM0435	Cyber Forensics	6				COM0435 Cyber Forensics		
COM0450	Computer Architecture	6				COM0450 Computer Architecture		
COM0451	Data Communications	6				COM0451 Data Communications		
COM0452	Mobile and Wireless Networks	6				COM0452 Mobile and Wireless Networks		
COM0453	Internet of Things	6				COM0453 Internet of Things		
COM0454	Embedded Systems	6				COM0454 Embedded Systems		

COM0455	Advanced Digital Systems	6				COM0455 Advanced Digital Systems		
COM0456	Robotics	6				COM0456 Robotics		
COM0457	Control Theory	6				COM0457 Control Theory		
COM0458	Electrical Circuits	6				COM0458 Electrical Circuits		
COM0459	Introduction to Telecommunication	6				COM0459 Introduction to Telecommunication		
COM0460	Fundamentals of Quantum	6				COM0460 Fundamentals of Quantum		
COM0461	Evolutionary Computation	6				COM0461 Evolutionary Computation		
COM0462	Graph Theory and Social Networking	6				COM0462 Graph Theory and Social Networking		
COM0463	IT Project Management	6				COM0463 IT Project Management		
EE0805 -	Electrical Measurement	6						
EE0836 -	Digital Speech Processing	6						
EE0840	Advanced Logic Design	6						
EE0848	Machine Learning for Signal Processing	6						
EE2202	Electrical Circuits Laboratory	3						
EE2221	Introduction to Electrical Circuits	6						
EE3202	Logic Design	6						
IE0206	System Dynamics	6						
IE0411 -	Logistics Systems	6						
IE0607	Introduction to Renewable Energy	6						
IE4201	Operations Research I	6						
IE7203	Simulation Modelling	6						
MCB1003 -	Calculus III	7						
MCB1005 -	Differential Equations	6						
SEN0401	Special Topics in Software Engineering	6				SEN0401 Special Topics in Software Engineering		
SEN0402	Case Studies in Software Engineering	6				SEN0402 Case Studies in Software Engineering		
SEN0411	Programming Languages	6				SEN0411 Programming Languages		
SEN0412	Mobile Programming	6				SEN0412 Mobile Programming		
SEN0413	Mobile Programming II	6				SEN0413 Mobile Programming II		
SEN0414	Advanced Programming	6				SEN0414 Advanced Programming		
SEN0416	Game Programming	6				SEN0416 Game Programming		
SEN0417	Parallel and Distributed Programming	6				SEN0417 Parallel and Distributed Programming		
SEN0418	Virtual And Augmented Reality Programming	6				SEN0418 Virtual And Augmented Reality Programming		
SEN0419	Graphical User Interface Design and Development	6				SEN0419 Graphical User Interface Design and Development		
SEN0420	Ethical Hacking	6				SEN0420 Ethical Hacking		
SEN0421	Software Development with Standards	6				SEN0421 Software Development with Standards		
SEN0422	Software Modelling and Design	6				SEN0422 Software Modelling and Design	MB0073 Yazılım Süreç ve Modelleme	
SEN0423	Advanced Software Testing	6				SEN0423 Advanced Software Testing		
SEN0424	Secure Software Engineering	6				SEN0424 Secure Software Engineering		
SEN0425	Devops And Continuous Integration	6				SEN0425 Devops And Continuous Integration		
SEN0426	Containerization And Orchestration	6				SEN0426 Containerization And Orchestration		

