

MUĞLA SITKI KOÇMAN ÜNİVERSİTESİ
DEPARTMENT OF SOFTWARE ENGINEERING/YAZILIM MÜHENDİSLİĞİ BÖLÜMÜ
EĞİTİM-ÖĞRETİM PROGRAMI

Ders Kodu	Ders Adı	S	YY	Kredi				
				T	U	L	K	Z/S
TDB 1801	Turkish I	1	1	2	0	0	2	Z
PHYS 1851	General Physics I	1	1	3	0	2	6	Z
MATH 1851	Calculus I	1	1	4	2	0	6	Z
ENG 1803	Academic Writing and Oral Presentation Skills I	1	1	1	2	0	2	Z
ISG 1801	Occupational Health and Safety I	1	1	2	0	0	2	Z
SE 1001	Introduction to Software Engineering	1	1	3	0	0	6	Z
SE 1003	Introduction to Programming I	1	1	3	2	0	6	Z

2. Dönem

TDB 1802	Turkish II	1	2	2	0	0	2	Z
PHYS 1852	General Physics II	1	2	3	0	2	6	Z
MATH 1852	Calculus II	1	2	4	2	0	6	Z
ISG 1802	Occupational Health and Safety II	1	2	2	0	0	2	Z
MATH 1856	Basic Linear Algebra for Engineers	1	2	3	0	0	6	Z
SE 1002	Software Ethics and Law	1	2	2	0	0	2	Z
SE 1004	Introduction to Programming II	1	2	3	2	0	6	Z

3. Dönem

ATB 2801	Principles of Kemal Ataturk I	2	1	2	0	0	2	Z
MATH 2855	Differential Equations	2	1	3	0	0	6	Z
SE 2001	Software Engineering Concepts	2	1	3	0	0	5	Z
SE 2003	Discrete Mathematics for Software Engineers	2	1	3	0	0	6	Z
SE 2005	Data Structures	2	1	2	1	0	5	Z
SE 2007	Probability Theory and Statistics	2	1	3	0	0	6	Z

4. Dönem

ATB 2802	Principles of Kemal Ataturk II	2	2	2	0	0	2	Z
MATH 2858	Numerical Methods and Applications	2	2	3	2	0	5	Z
SE 2002	Software Design Patterns	2	2	3	0	0	5	Z
SE 2004	Algorithms	2	2	3	0	0	5	Z
SE 2006	Fundamentals of Database Systems	2	2	1	2	0	5	Z
	Free Elective (BDS)	2	2				8	S

5. Dönem

SE 3001	Summer Practice I	3	1	0	0	0	1	Z
SE 3003	Software Project Management	3	1	3	0	0	6	Z
SE 3005	System and Network Programming	3	1	3	0	0	6	Z
SE 3007	Introduction to Machine Learning	3	1	3	0	0	5	Z
	Technical Elective (BIS)	3	1				12	S
SE 3501	Client-side Programming	3	1	2	1	0	6	S
SE 3503	Introduction to Optimization	3	1	3	0	0	6	S
SE 3505	Mobile Application Development	3	1	3	0	0	6	S
SE 3507	Information Security	3	1	3	0	0	6	S
SE 3509	Introduction to Data Science & Engineering	3	1	3	2	0	6	S

6. Dönem								
SE 3002	Fundamentals of Programming Languages	3	2	3	0	0	6	Z
SE 3004	Software Testing	3	2	3	0	0	6	Z
SE 3006	Software Architectures	3	2	2	2	0	6	Z
	Technical Elective (BİS)	3	2				12	S
SE 3502	Server-side Programming	3	2	2	1	0	6	S
SE 3504	Software Maintenance and Evolution	3	2	3	0	0	6	S
SE 3506	Introduction to Software-defined Networking	3	2	3	0	0	6	S
SE 3508	Introduction to Artificial Intelligence	3	2	3	0	0	6	S
SE 3510	Introduction to Big Data Analysis	3	2	3	2	0	6	S

7. Dönem								
SE 4001	Summer Practice I	4	1	0	0	0	1	Z
SE 4003	Multidisciplinary Engineering Projects	4	1	2	0	0	5	Z
SE 4005	Human Computer Interaction	4	1	3	0	0	6	Z
	Technical Elective (BİS)	4	1				12	S
	Free Elective (BİS / BDS)	4	1				6	S
SE 4501	Advanced Topics in Software Engineering I	4	1	3	0	0	6	S
SE 4503	Cloud Computing Concepts	4	1	3	0	0	6	S
SE 4505	Software Quality Assurance	4	1	3	0	0	6	S
SE 4507	Computer Vision	4	1	3	0	0	6	S
SE 4509	Programming for Scientific Computing	4	1	1	2	0	6	S

8. Dönem								
SE 4002	Software Engineering Capstone Project	4	2	2	0	0	6	Z
	Technical Elective (BİS)	4	2				12	S
	Free Elective (BİS / BDS)	4	2				12	S
SE 4502	Advanced Topics in Software Engineering II	4	2	3	0	0	6	S
SE 4504	Programming Web Services	4	2	3	0	0	6	S
SE 4506	Internet of Things Programming	4	2	3	0	0	6	S
SE 4508	Interactive Multimedia Systems	4	2	3	0	0	6	S
SE 4510	Quantum Computing	4	2	3	0	0	6	S