



**BURSA ULUDAĞ UNIVERSITY  
COMPUTER ENGINEERING  
2021-2022 ACADEMIC YEAR COURSE PLAN**

FR 1.1.1\_02

**DEPARTMENT OF**

**Computer Engineering**

**DEPARTMENT / PROGRAM**

Computer Engineering Doctoral Program

**COURSE STAGE**

**I. TERM / FALL**

**II. TERM / SPRING**

Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
BM6181	ADVANCED TOPICS IN PHD THESIS I	C	4	0	0	0	5	BM6182	ADVANCED TOPICS IN PHD THESIS II	C	4	0	0	0	5
BM6191	THESIS CONSULTNG I	C	0	1	0	0	1	BM6192	THESIS CONSULTING II	C	0	1	0	0	1
BM6003	ADVANCED ALGORITHM DESIGN AND ANALYSIS	C	3	0	0	3	6	BM6172	SEMINAR	C	0	2	0	0	4
	ELECTIVE COURSES	E	3	0	0	0	6	BM6002	TECHNOLOGY TRANSFER, R&D AND INNOVATION	C	2	0	0	2	2
	ELECTIVE COURSES	E	3	0	0	0	6		ELECTIVE COURSES	E	3	0	0	0	6
	ELECTIVE COURSES	E	3	0	0	0	6		ELECTIVE COURSES	E	3	0	0	0	6
BM6019	CRYPTOGRAPHY	E	3	0	0	0	6		ELECTIVE COURSES	E	3	0	0	0	6
BM6021	MATHEMATICAL FOUNDATIONS OF COMPUTING	E	3	0	0	0	6	BM6020	MULTIVARIATA STATISTICAL DATA ANALYSIS	E	3	0	0	0	6
BM6023	ADVANCED PATTERN RECOGNITION	E	3	0	0	0	6	BM6022	ADVANCED SOUND PROCESSING	E	3	0	0	0	6
BM6025	DATA SECURITY	E	3	0	0	0	6	BM6024	ADVANCED DIGITAL IMAGE PROCESSING	E	3	0	0	0	6
BM6027	NATURAL LANGUAGE SEMANTICS AND APPLICATIONS	E	3	0	0	0	6	BM6026	VIRTUAL AND AUGMENTED REALITY	E	3	0	0	0	6
BM6029	FORMAL METHODS OF SOFTWARE VERIFICATION AND EVALUATION	E	3	0	0	0	6	BM6028	DISTRIBUTED CALCULATION SYSTEMS	E	3	0	0	0	6
BM6031	NEW GENERATION WIRELESS NETWORKS	E	3	0	0	0	6	BM6030	PARALLEL PROGRAMMING WITH GPU	E	3	0	0	0	6
BM6033	ADVANCED ARTIFICIAL NETWORKS	E	3	0	0	0	6	BM6032	AUTONOMOUS SYSTEMS	E	3	0	0	0	6
BM6035	COMPUTATIONAL BIOLOGY AND BIOINFORMATICS ALGORITHMS	E	3	0	0	0	6	BM6034	ADVANCED TOPICS IN COMPUTATIONAL BIOLOGY	E	3	0	0	0	6
BM6037	THREE-DIMENSIONAL VISION	E	3	0	0	0	6	BM6036	ARTIFICIAL INTELLIGENCE AND COMPUTATIONAL NEUROSCIENCE	E	3	0	0	0	6
ELN6415	STATICAL PATTERN ANALYSIS AND CLASSIFICATION	E	3	0	0	0	6	BM6038	ADVANCED GRAPHICS	E	3	0	0	0	6
								BM6040	MACHINE TRANSLATION	E	3	0	0	0	6
								ELN6104	EVOLUTIONARY ALGORITHMS	E	3	0	0	0	6
								ELN6414	ADVANCED COMPUTER VISION METHODS	E	3	0	0	0	6
								ELN6418	SPEECH AND SPEAKER RECOGNITION	E	3	0	0	0	6
<b>Total Credits/ECTS</b>						<b>12</b>	<b>30</b>	<b>Total Credits/ECTS</b>						<b>11</b>	<b>30</b>

III. TERM / FALL								IV. TERM / SPRING									
BM6183	ADVANCED TOPICS IN PHD THESIS III	C	4	0	0	0	5	BM6184	ADVANCED TOPICS IN PHD THESIS IV	C	4	0	0	0	5		
BM6193	THESIS CONSULTNG III	C	0	1	0	0	15	BM6194	THESIS CONSULTNG IV	C	0	1	0	0	25		
YET6177	PHD PROFICIENCY EXAMINATION	C	0	0	0	0	10										
<b>Total Credits/ECTS</b>							<b>0</b>	<b>30</b>	<b>Total Credits/ECTS</b>							<b>0</b>	<b>30</b>
V. TERM / FALL								VI. TERM / SPRING									
BM6185	ADVANCED TOPICS IN PHD THESIS V	C	4	0	0	0	5	BM6186	ADVANCED TOPICS IN PHD THESIS VI	C	4	0	0	0	5		
BM6195	THESIS CONSULTNG V	C	0	1	0	0	25	BM6196	THESIS CONSULTNG VI	C	0	1	0	0	25		
<b>Total Credits/ECTS</b>							<b>0</b>	<b>30</b>	<b>Total Credits/ECTS</b>							<b>0</b>	<b>30</b>
VII. TERM / FALL								VIII. TERM / SPRING									
BM6187	ADVANCED TOPICS IN PHD THESIS VII	C	4	0	0	0	5	BM6188	ADVANCED TOPICS IN PHD THESIS VIII	C	4	0	0	0	5		
BM6197	THESIS CONSULTNG VII	C	0	1	0	0	25	BM6198	THESIS CONSULTNG VIII	C	0	1	0	0	25		
<b>Total Credits/ECTS</b>							<b>0</b>	<b>30</b>	<b>Total Credits/ECTS</b>							<b>0</b>	<b>30</b>
<b>TOTAL CREDITS: 30</b>								<b>- TOTAL ECTS: 240</b>									

)

