

TURKISH NAVY ACADEMY ACADEMIC PROGRAMS (2013-2014)

INDUSTRIAL ENGINEERING

FIRST CLASS						
	COURSES CODE	COURSES	CLASS TIME		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-110	FOREING LANGUAGE-1	9 (2+7)	144	5,5	9
	MS-111	SEAMANSHIP	2 (1+1)	32	1,5	3
	FM-111	MATHEMATICS-1	5 (5+0)	80	5	6
	FF-111	PHYSICS-1	5 (3+2)	80	4	6
	SO-111	CHEMISTRY-1	2 (2+0)	32	2	3
	FK-111	TURKISH LANGUAGE-1	2 (2+0)	32	2	3
	TOTAL (6 Course)			25	400	20
SECOND SEMESTER	YD-120	FOREIGN LANGUAGE-2	7 (2+5)	105	4,5	7
	MS-121	SHIP MANEUVERING AND HANDLING	2 (2+0)	30	2	2
	FM-121	MATHEMATICS-2	5 (5+0)	75	5	6
	FF-121	PHYSICS-2	5 (3+2)	75	4	6
	FK-121	CHEMISTRY-2	2 (1+1)	30	1,5	3
	SO-121	TURKISH LANGUAGE-2	2 (2+0)	30	2	3
	MK-121	TECHNICAL DRAWING	2 (1+1)	30	1,5	3
	TOTAL (7 Course)			25	375	20,5
TOTAL (13 Course)			50	775	40,5	60

SECOND CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-210	FOREIGN LANGUAGE-3	6 (2+4)	96	4	5
	S0-211	HISTORY OF TURKISH REVOLUTION-2	2 (2+0)	32	2	2
	FM-211	LINEAR ALGEBRA	2 (2+0)	32	2	4
	MS-211	WATCHKEEPING STANDARTS	2 (1+1)	32	1,5	1
	GI-212	NAVAL ARCHITECTURE	2 (2+0)	32	2	5
	EN-211	INTRODICTION TO INDUSTRIAL ENGINEERING	3 (2+1)	48	2,5	5
	EN-212	PROBABILITY	4 (3+1)	64	3,5	6
	BG-213	PROGRAMMING	4 (2+2)	64	3	2
TOTAL (8 Course)			25	400	20,5	30
SECOND SEMESTER	YD-220	FOREIGN LANGUAGE-4	5 (1+4)	75	3	5
	SO-221	HISTORY OF TURKISH REVOLUTION-2	2 (2+0)	30	2	2
	FM-221	DIFFERENTIAL EQUATIONS	3 (3+0)	45	3	5
	MS-221	TERRESTRIAL AND COASTAL NAVIGATION	4 (2+2)	60	3	3
	EN-221	STATISTICAL METHODS	4 (3+1)	60	3,5	6
	EE-223	ELECTRICITY	2 (2+0)	30	2	3
	EN-222	STOCHASTIC PROCESSES	4 (3+1)	60	3,5	6
TOTAL (7 Course)			24	360	20,0	30
TOTAL (15 Course)			49	760	40,5	60

THIRD CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MS-311	ELECTRONIC NAVIGATION	4 (2+2)	64	3	4
	MH-311	MARITIME ENGLISH	2 (2+0)	32	2	2
	MH-312	COMMUNICATION AT SEA	2 (1+1)	32	1,5	2
	MA-311	METEOROLOGY	2 (2+0)	32	2	1
	EN-311	OPERATIONAL RESEARCH-1	4 (3+1)	64	3,5	6
	EN-312	ALGO. FOR OPERATIONAL RESEARCH	3 (3+0)	48	3	5
	BG-315	INT. ADVANCED PROGRAMMING	4(1+3)	64	2,5	6
	EN-313	ENGINEERING ECONOMICS	3 (2+1)	48	2,5	4
TOTAL (8 Course)			24	384	20	30

SECOND SEMESTER	MS-321	CELESTIAL NAVIGATION	3 (2+1)	45	2,5	3
	MM-321	NAVAL MACHINES-1	3 (2+1)	45	2,5	4
	MH-321	NAVAL OPERATIONS AND TACTICS	4 (2+2)	60	3	4
	EN-321	OPERATION RESEARCH-2	4 (3+1)	60	3,5	6
	EN-322	MATHEMATICAL MODELLING AND PROGRAMMING	4 (2+2)	60	3	6
	EN-323	PRINCIPLES OF ACCOUNTANCY	2 (2+0)	30	2	2
	EN-325	SYSTEM SIMULATION	4 (2+2)	60	3	5
	TOTAL (7 Course)			24	360	19,5
TOTAL: 15 COURSE			49	760	40,5	60

FOURTH CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MM-411	NAVAL ENGINEERING-2	3 (2+1)	48	2,5	3
	MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)	32	2	2
	MH-411	NAVAL WEAPONS SYSTEMS AND BALLISTICS	2 (2+0)	32	2	3
	EE-414	ELECTRONICS	3 (3+0)	48	3	3
	EN-411	PRODUCTION PLANNING AND CONTROL	4 (3+1)	64	3,5	6
	EN-412	STATISTICAL QUALITY CONTROL	3 (3+0)	48	3	5
	EN-143	NETWORK MODELS	3 (3+0)	48	3	5
	MA-411	LEADERSHIP	1 (1+0)	16	1	1
	YD-410	FOREIGN LANGUAGE-7	2 (2+0)	32	2	2
	EN-414	PROJECT-1	2 (0+2)	32	1	-
TOTAL (10 Course)			25	400	23	30
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	EN-421	PROJECT MANAGEMENT	3 (3+0)	45	3	4
	EN-422	OPERATI. RESEARCH-3	3 (2+1)	45	2,5	5
	EN-423	SCHEDULING	3 (3+0)	45	3	4
	EN-424	FACILITIES PLANNING	3 (3+0)	45	3	4
	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
	SO-424	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1
	EN-426	PROJECT-2	4 (0+4)	60	2	-
TOTAL (11 Course)			27	405	24,5	30
TOTAL (21 Course)			52	805	47,5	60
GRADUATION (64 COURSE)			199	3084	168	240

MECHANICAL ENGINEERING

FIRST CLASS						
	COURSES CODE	COURSES	CLASS TIME		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-110	FOREING LANGUAGE-1	9 (2+7)	144	5,5	9
	MS-111	SEAMANSHIP	2 (1+1)	32	1,5	3
	FM-111	MATHEMATICS-1	5 (5+0)	80	5	6
	FF-111	PHYSICS-1	5 (3+2)	80	4	6
	SO-111	CHEMISTRY-1	2 (2+0)	32	2	3
	FK-111	TURKISH LANGUAGE-1	2 (2+0)	32	2	3
TOTAL (6 Course)			25	400	20	30
SECOND SEMESTER	YD-120	FOREIGN LANGUAGE-2	7 (2+5)	105	4,5	7
	MS-121	SHIP MANEUVERING AND HANDLING	2 (2+0)	30	2	2
	FM-121	MATHEMATICS-2	5 (5+0)	75	5	6
	FF-121	PHYSICS-2	5 (3+2)	75	4	6
	FK-121	CHEMISTRY-2	2 (1+1)	30	1,5	3
	SO-121	TURKISH LANGUAGE-2	2 (2+0)	30	2	3
MK-121	TECHNICAL DRAWING	2 (1+1)	30	1,5	3	
TOTAL (7 Course)			25	375	20,5	30

TOTAL: 13 COURSE	50	775	40,5	60
-------------------------	-----------	------------	-------------	-----------

SECOND CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-210	FOREIGN LANGUAGE-3	6 (2+4)	96	4	5
	SO-211	HISTORY OF TURKISH REVOLUTION-1	2 (2+0)	32	2	2
	FM-211	LINEAR ALGEBRA	2 (2+0)	32	2	4
	MS-211	WATCHKEEPING STANDARTS	2 (1+1)	32	1,5	1
	MK-211	INTRO. TO MECH. ENGINEERING	1 (1+0)	16	1	1
	MK-212	STATICS	3 (3+0)	48	3	5
	MK-213	MATERIAL SCIENCE	4 (3+1)	64	3,5	6
	MK-214	THERMODYNAMICS-1	3 (3+0)	48	3	5
	BG-214	PROGRAMMING WITH MATLAB	2 (2+0)	32	2	1
TOTAL (9 Course)			25	400	22	30
SECOND SEMESTER	YD-220	FOREIGN LANGUAGE-4	5 (1+4)	75	3	5
	SO-221	HISTORY OF TURKISH REVOLUTION-2	2 (2+0)	30	2	2
	FM-221	DIFFERENTIAL EQUATIONS	3 (3+0)	45	3	5
	MS-221	TERRESTRIAL AND COASTAL NAVIGATION	4 (2+2)	60	3	3
	FM-221	NUMERICAL METHODS	2 (2+0)	30	2	4
	EE-223	ELECTRICITY	2 (2+0)	30	2	3
	MK-221	DYNAMICS	3 (2+0)	45	2,5	4
	MK-222	THERMODYNAMICS-2	3 (3+0)	45	3	4
	TOTAL (8 Course)			24	360	20,5
TOTAL: 17 COURSE			49	760	42,5	60

THIRD CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MS-311	ELECTRONIC NAVIGATION	4 (2+2)	64	3	4
	MH-311	MARITIME ENGLISH	2 (2+0)	32	2	2
	MH-312	COMMUNICATION AT SEA	2 (1+1)	32	1,5	2
	MA-311	METEOROLOGY	2 (2+0)	32	2	1
	MK-311	STRENGTH OF MATERIALS	4 (4+0)	64	4	5
	MK-312	FLUID MECHANICS	4 (3+1)	64	3,5	6
	MK-314	MANUFACTURING TECHNIQUES	3 (2+1)	48	2,5	6
	MK-313	COMPUTER-AIDED DRAWING	3 (1+2)	48	2	3
	EN-314	INT. OPERATION RESEARCH	1 (1+0)	16	1	1
TOTAL (9 Course)			25	400	21,5	30
SECOND SEMESTER	MS-321	CELESTIAL NAVIGATION	3 (2+1)	45	2,5	3
	MH-321	NAVAL OPERATIONS AND TACTICS	4 (2+2)	60	3	4
	MM-322	MARINE ENGINE OPERATING SYSTEM-1	3 (2+1)	45	2,5	4
	MK-321	MACHINE ELEMENTS	4 (4+0)	60	4	5
	MK-322	HEAT TRANSFER	4 (4+0)	60	4	5
	MK-323	REFRIGERATION AND AIR CONDITIONING	2 (2+0)	30	2	3
	MK-324	COMPUTER-AIDED DESIGN	3 (1+2)	45	2	4
	FM-321	PROBABILITY AND STATISTICS	2 (2+0)	30	2	2
	TOTAL (8 Course)			25	375	22,0
TOTAL: 17 COURSE			50	775	43,5	60

FOURTH CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
SEMESTER	MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)	32	2	2
	MH-411	NAVAL WEAPONS SYSTEMS AND BALLISTICS	2 (2+0)	32	2	3
	EE-414	ELECTRONICS	3 (3+0)	48	3	3
	MM-412	MARINE ENGINE OPERATING SYSTEM-2	3 (2+1)	48	2,5	2
	MK-412	INTERNAL COMBUSTION ENGINES	3 (3+0)	48	3	5

FIRST S	MK-415	SHIP INSTALLATIONS	2(1+1)	32	1,5	2
	MK-411	HYDRAULICS AND PNEUMATICS POWER CONTROL	3 (3+0)	48	3	5
	MK-413	CONTROL AND MODELLING OF DYNAMIC SYSTEMS	3 (3+0)	48	3	5
	MA-411	LEADERSHIP	1 (1+0)	16	1	1
	YD-410	FOREIGN LANGUAGE-7	2 (2+0)	32	2	2
	MK-414	PROJECT-1	2 (0+2)	32	1	-
	TOTAL (11 Course)			26	416	24
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	MK-421	MECHATRONICS	4 (3+1)	60	3,5	5
	MK-422	EXPERIMENTAL METHODS IN MECHANICAL ENGINEERING	2 (1+1)	30	1,5	2
	MK-423	MECHANICAL VIBRATIONS	3 (3+0)	45	3	5
	MK-424	GAS TURBINES	3 (3+0)	45	3	5
	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
	SO-424	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1
	MK-425	PROJECT-2	4 (0+4)	60	2	-
	TOTAL (11 Course)			27	405	24,0
TOTAL: 22 COURSE			53	821	48	60
GRADUATION (69 COURSE)			202	3131	174,5	240

NAVAL ARCHITECTURE ENGINEERING

FIRST CLASS

	COURSES CODE	COURSES	CLASS TIME		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-110	FOREING LANGUAGE-1	9 (2+7)	144	5,5	9
	MS-111	SEAMANSHIP	2 (1+1)	32	1,5	3
	FM-111	MATHEMATICS-1	5 (5+0)	80	5	6
	FF-111	PHYSICS-1	5 (3+2)	80	4	6
	SO-111	CHEMISTRY-1	2 (2+0)	32	2	3
	FK-111	TURKISH LANGUAGE-1	2 (2+0)	32	2	3
	TOTAL (6 Course)			25	400	20
SECOND SEMESTER	YD-120	FOREIGN LANGUAGE-2	7 (2+5)	105	4,5	7
	MS-121	SHIP MANEUVERING AND HANDLING	2 (2+0)	30	2	2
	FM-121	MATHEMATICS-2	5 (5+0)	75	5	6
	FF-121	PHYSICS-2	5 (3+2)	75	4	6
	FK-121	CHEMISTRY-2	2 (1+1)	30	1,5	3
	SO-121	TURKISH LANGUAGE-2	2 (2+0)	30	2	3
	MK-121	TECHNICAL DRAWING	2 (1+1)	30	1,5	3
	TOTAL (7 Course)			25	375	20,5
TOTAL (13 Course)			50	775	40,5	60

SECOND CLASS

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-210	FOREIGN LANGUAGE-3	6 (2+4)	96	4	5
	SO-211	HISTORY OF TURKISH REVOLUTION-1	2 (2+0)	32	2	2
	FM-211	LINEAR ALGEBRA	2 (2+0)	32	2	4
	MS-211	WATCHKEEPING STANDARTS	2 (1+1)	32	1,5	1
	Gi-213	SHIP GEOMETRY	3 (1+2)	48	2	4
	Gi-211	INTRODUCTION TO NAVAL ARCHITECTURE	2 (2+0)	32	2	2
	MK-212	STATICS	3 (3+0)	48	3	5
	MK-213	MATERIAL SCIENCE	3 (3+0)	48	3	6
	BG-214	PROGRAMMING WITH MATLAB	2 (2+0)	32	2	1
TOTAL (9 Course)			25	400	21,5	30
STER	YD-220	FOREIGN LANGUAGE-4	5 (1+4)	75	3	5
	SO-221	HISTORY OF TURKISH REVOLUTION-2	2 (2+0)	30	2	2
	FM-221	DIFFERENTIAL EQUATIONS	3 (3+0)	45	3	5

SECOND SEMESTER	MS-221	TERRESTRIAL AND COASTAL NAVIGATION	4 (2+2)	60	3	3
	FM-223	NUMERICAL METHODS	2 (2+0)	30	2	4
	EE-223	ELECTRICITY	2 (2+0)	30	2	3
	MK-221	DYNAMICS	3 (2+1)	45	2,5	4
	MK-222	THERMODYNAMICS	4 (4+0)	60	4	4
		TOTAL (8 Course)	25	375	21,5	30
	TOTAL (17 COURSE)	50	775	43,0	60	

THIRD CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
			FIRST SEMESTER	MS-311		
MH-311	MARITIME ENGLISH	2 (2+0)		32	2	2
MH-312	COMMUNICATION AT SEA	2 (1+1)		32	1,5	2
MA-311	METEOROLOGY	2 (2+0)		32	2	1
GI-311	SHIP STRUCTURES AND CONSTRUCTION	3 (3+0)		48	3	3
MK-311	STRENGTH OF MATERIALS	4 (4+0)		64	4	5
MK-312	FLUID MECHANICS	4 (3+1)		64	3,5	6
MK-314	MANUFACTURING TECHNIQUES	3 (2+1)		48	2,5	6
EN-314	INTRODUCTION TO OPERATIONAL RESEARCH	1 (1+0)		16	1	1
	TOTAL (9 Course)	25		400	22,5	30
SECOND SEMESTER	MS-321	CELESTIAL NAVIGATION	3 (2+1)	45	2,5	3
	MH-321	NAVAL OPERATIONS AND TACTICS	4 (2+2)	60	3	4
	GI-321	SHIP STRENGTH	3 (3+0)	45	3	4
	GI-322	SHIP THEORY	3 (3+0)	45	3	4
	GI-323	SHIP RESISTANCE	3 (3+0)	45	3	5
	MM-322	MARINE ENGINE OPERATING SYSTEM-1	3 (2+1)	45	2,5	4
	MK-321	MACHINE ELEMENTS	4 (4+0)	60	4	4
	FM-321	PROBABILITY AND STATISTICS	2 (2+0)	30	2	2
	TOTAL (8 Course)	25	375	23,0	30	
	TOTAL (17 COURSE)	50	775	43,0	60	

FOURTH CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
			FIRST SEMESTER	MM-412		
MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)		32	2	2
MH-411	NAVAL WEAPONS SYSTEMS AND BALLISTICS	2 (2+0)		32	2	3
EE-414	ELECTRONICS	3 (3+0)		48	3	3
GI-411	THE SUB-MACHINES OF THE SHIP	2 (2+0)		32	2	5
GI-413	SHIP DESING	3 (3+0)		48	3	4
GI-414	COMPUTER APPLICATIONS IN NAVAL ARCHITECTURE	3 (1+2)		48	2	4
GI-415	SHIP PROPULSION	3 (3+0)		48	3	3
MA-411	LEADERSHIP	1(1+0)		16	1	1
YD-410	FOREIGN LANGUAGE-7	2 (2+0)		32	2	2
GI-416	PROJECT-1	2 (2+0)		32	1	-
	TOTAL (11 Course)	26	416	23,5	30	
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY AND SECURITY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	GI-421	SHIP HYDRODYNAMICS	3 (3+0)	45	3	6
	GI-422	SHIPYARD ORG. AND MAN.	2 (2+0)	30	2	5
	GI-423	NAVAL ARCHITECTURE PROJECT	3 (1+2)	45	2	6
	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
SO-424	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1	

GI-424	PROJECT-2	4 (0+4)	60	2	-
TOTAL (10 Course)		23	345	20,0	30
TOTAL (21 COURSE)		49	761	43,5	60
GRADUATION (68 COURSE)		199	3086	172,5	240

ELECTRIC AND ELECTRONIC ENGINEERING (ELECTRONIC,CONTROL SYSTEMS, COMMUNICATION OPTION)

FIRST CLASS

	COURSES CODE	COURSES	CLASS TIME		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-110	FOREING LANGUAGE-1	9 (2+7)	144	5,5	9
	MS-111	SEAMANSHIP	2 (1+1)	32	1,5	3
	FM-111	MATHEMATICS-1	5 (5+0)	80	5	6
	FF-111	PHYSICS-1	5 (3+2)	80	4	6
	SO-111	CHEMISTRY-1	2 (2+0)	32	2	3
	FK-111	TURKISH LANGUAGE-1	2 (2+0)	32	2	3
TOTAL (6 Course)			25	400	20	30
SECOND SEMESTER	YD-120	FOREIGN LANGUAGE-2	7 (2+5)	105	4,5	7
	MS-121	SHIP MANEUVERING AND HANDLING	2 (2+0)	30	2	2
	FM-121	MATHEMATICS-2	5 (5+0)	75	5	6
	FF-121	PHYSICS-2	5 (3+2)	75	4	6
	FK-121	CHEMISTRY-2	2 (1+1)	30	1,5	3
	SO-121	TURKISH LANGUAGE-2	2 (2+0)	30	2	3
	MK-121	TECHNICAL DRAWING	2 (1+1)	30	1,5	3
TOTAL (7 Course)			25	375	20,5	30
TOTAL (13 Course)			50	775	40,5	60

SECOND CLASS

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-210	FOREIGN LANGUAGE-3	6 (2+4)	96	4	5
	SO-211	HISTORY OF TURKISH REVOLUTION-1	2 (2+0)	32	2	2
	FM-213	LINEAR ALGEBRA	2 (2+0)	32	2	4
	MS-211	WATCHKEEPING STANDARTS	2 (1+1)	32	1,5	1
	FM-212	PROBABILITY/ STATISTICS	3 (3+0)	48	3	4
	GI-212	NAVAL ARCHITECTURE	2 (2+0)	32	2	5
	EE-211	CIRCUIT ANALYSIS-1	4 (3+1)	64	3,5	7
	BG-213	PROGRAMMING	4 (2+2)	64	3	2
TOTAL (8 Course)			25	400	21	30
SECOND SEMESTER	YD-220	FOREIGN LANGUAGE-4	5 (1+4)	75	3	5
	SO-221	HISTORY OF TURKISH REVOLUTION-2	2 (2+0)	30	2	2
	FM-221	DIFFERENTIAL EQUATIONS	3 (3+0)	45	3	5
	MS-221	TERRESTRIAL AND COASTAL NAVIGATION	4 (2+2)	60	3	3
	EE-221	ELECTRONICS-1	4 (3+1)	60	3,5	5
	EE-222	CIRCUIT ANALYSIS-2	3 (2+1)	45	2,5	4
	EE-322	ELECTROMAGNETIC ENGINEERING	4 (3+1)	60	3,5	6
TOTAL (7 Course)			25	375	20,5	30
TOTAL: 15 COURSE			50	775	41,5	60

THIRD CLASS

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MS-311	ELECTRONIC NAVIGATION	4 (2+2)	64	3	4
	MH-311	MARITIME ENGLISH	2 (2+0)	32	2	2
	MH-312	COMMUNICATION AT SEA	2 (1+1)	32	1,5	2
	MA-311	METEOROLOGY	2 (2+0)	32	2	1
	FM-312	ENGINEERING MATHEMATICS	3 (3+0)	48	3	4
	EE-311	ELECTRONICS-2	4 (3+1)	64	3,5	6
	EE-312	DIGITAL SYSTEMS	4 (3+1)	64	3,5	5
	EE-313	SIGNALS AND SYSTEMS	4 (2+2)	64	3	6
TOTAL (8 Course)			25	400	21,5	30
TER	MS-321	CELESTIAL NAVIGATION	3 (2+1)	45	2,5	3
	MH-321	NAVAL OPERATIONS MANAGEMENT	4 (2+2)	60	3	4

SECOND SEMEST	MM-321	NAVAL ENGINEERING-1	3 (3+1)	45	2,5	4
	EE-321	MODERN COMMUNICATION SYSTEMS	4 (3+1)	60	3,5	5
	EE-324	ELECTRICAL MACHINERY	3 (2+1)	45	2,5	5
	EE-323	CONTROL SYSTEMS	4 (3+1)	60	3,5	6
	EN-324	OPERATIONAL RESEARCH	2 (2+0)	30	2	1
	EE-325	PROGRAMMING WITH MATLAB	2 (0+2)	30	1	2
		TOTAL (8 Course)	25	375	20,5	30
		TOTAL: 16 COURSE	50	775	42	60

FOURTH CLASS (ELECTRONIC OPTION)						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MM-411	NAVAL ENGINEERING-2	3 (2+1)	48	2,5	3
	MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)	32	2	2
	EE-412	ELECTRONIC MEASUREMENT AND INSTRUMENTATION	4 (2+2)	64	3	5
	BG-413	MICROPROCESSORS	3 (3+0)	48	3	5
	EE-416	POWER ELECTRONICS	5 (3+2)	80	4	7
	EE-418	NAVAL WARFARE SYSTEMS ELECTRONICS	3 (3+0)	48	3	5
	MA-411	LEADERSHIP	1 (1+0)	16	1	1
	YD-410	FOREIGN LANGUAGE-7	2 (2+0)	32	2	2
	EE-425	PROJECT-1	2 (0+2)	32	1	-
		TOTAL (9 Course)	25	400	21,5	30
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY AND SECURITY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	EE-421	RADAR AND SONAR SYSTEMS	4 (4+0)	60	4	6
	BG-424	MICROPROCESSORS LAB.	2 (0+2)	30	1	4
	EE-424	COMMUNICATION ELECTRONICS	5 (3+2)	75	4	7
	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
	SO-424	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1
	EE-425	PROJECT-2	4 (0+4)	60	2	-
	TOTAL (10 Course)	26	390	22,0	30	
	TOTAL: 19 COURSE	51	790	43,5	60	
	GRADUATION (63 COURSE)	201	3115	167,5	240	

FOURTH CLASS (CONTROL SYSTEMS)						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MM-411	NAVAL ENGINEERING-2	3 (2+1)	48	2,5	3
	MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)	32	2	2
	EE-412	ADVANCED COMMUNICATION ENGINEERING	4 (2+2)	64	3,5	5
	BG-413	MICROPROCESSORS	3 (3+0)	48	3	5
	EE-416	POWER ELECTRONICS	5 (3+2)	80	4	7
	EE-418	NAVAL WARFARE SYSTEMS ELECTRONICS	3 (3+0)	48	3	5
	MA-411	LEADERSHIP	1 (1+0)	16	1	1
	YD-410	FOREIGN LANGUAGE-7	2 (2+0)	32	2	2
	EE-425	PROJECT-1	2 (0+2)	32	1	-
		TOTAL (9 Course)	25	400	22	30
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY AND SECURITY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	EE-421	RADAR AND SONAR SYSTEMS	4 (4+0)	60	4	6
	BG-424	MICROPROCESSORS LAB.	2 (0+2)	30	1	4
	EE-424	WIRELESS COMMUNICATION	5 (3+2)	75	4	7
	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
SO-424	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1	

EE-425	PROJECT-2	4 (0+4)	60	2	-
TOTAL (10 Course)		26	390	22,0	30
TOTAL: 19 COURSE		51	790	43,5	60
GRADUATION (63 COURSE)		201	3115	167,5	240

FOURTH CLASS (COMMUNICATION OPTION)

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MM-411	NAVAL ENGINEERING-2	3 (2+1)	48	2,5	3
	MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)	32	2	2
	EE-413	MODERN CONTROL SYSTEMS	4 (2+2)	64	3	5
	BG-413	MICROPROCESSORS	3 (3+0)	48	3	5
	EE-417	CONTROL TECHNOLOGY AND DESIGN	5 (3+2)	80	4	7
	EE-418	NAVAL WARFARE SYSTEMS ELECTRONICS	3 (3+0)	48	3	5
	MA-411	LEADERSHIP	1 (1+0)	16	1	1
	YD-410	FOREIGN LANGUAGE-7	2 (2+0)	32	2	2
	EE-419	PROJECT-1	2 (0+2)	32	1	-
	TOTAL (9 Course)		25	400	21,5	30
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY AND SECURITY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	EE-421	RADAR AND SONAR SYSTEMS	4 (4+0)	60	4	6
	BG-424	MICROPROCESSORS LAB.	2 (0+2)	30	1	4
	EE-422	DIGITAL SIGNAL PROCESSING	5 (3+2)	75	3	7
	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
	SO-424	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1
	EE-427	PROJECT-2	4 (0+4)	60	2	-
TOTAL (10 Course)		26	390	21,0	30	

COMPUTER ENGINEERING

FIRST CLASS

	COURSES CODE	COURSES	CLASS TIME		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-110	FOREING LANGUAGE-1	9 (2+7)	144	5,5	9
	MS-111	SEAMANSHIP	2 (1+1)	32	1,5	3
	FM-111	MATHEMATICS-1	5 (5+0)	80	5	6
	FF-111	PHYSICS-1	5 (3+2)	80	4	6
	SO-111	CHEMISTRY-1	2 (2+0)	32	2	3
	FK-111	TURKISH LANGUAGE-1	2 (2+0)	32	2	3
TOTAL (6 Course)		25	400	20	30	
SECOND SEMESTER	YD-120	FOREIGN LANGUAGE-2	7 (2+5)	105	4,5	7
	MS-121	SHIP MANEUVERING AND HANDLING	2 (2+0)	30	2	2
	FM-121	MATHEMATICS-2	5 (5+0)	75	5	6
	FF-121	PHYSICS-2	5 (3+2)	75	4	6
	FK-121	CHEMISTRY-2	2 (1+1)	30	1,5	3
	SO-121	TURKISH LANGUAGE-2	2 (2+0)	30	2	3
	MK-121	TECHNICAL DRAWING	2 (1+1)	30	1,5	3
TOTAL (7 Course)		25	375	20,5	30	
TOTAL (13 Course)		50	775	40,5	60	

SECOND CLASS

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-210	FOREIGN LANGUAGE-3	6 (2+4)	96	4	5
	SO-211	HISTORY OF TURKISH REVOLUTION-1	2 (2+0)	32	2	2
	FM-211	LINEAR ALGEBRA	2 (2+0)	32	2	4
	MS-211	WATCHKEEPING STANDARTS	2 (2+0)	32	1,5	1
	GI-212	NAVAL ARCHITECTURE	2 (2+0)	32	2	5
	EE-212	NUMERICAL SYSTEMS	4 (3+1)	64	3,5	4
	BG-211	ADVANCED PROGRAMMING	4 (2+2)	64	3	6

	BG-212	DISCRETE MATHEMATICS	3 (2+1)	48	2,5	3
		TOTAL (8 Course)	25	400	20,5	30
SECOND SEMESTER	YD-220	FOREIGN LANGUAGE-4	5 (1+4)	75	3	5
	SO-221	HISTORY OF TURKISH REVOLUTION-2	2 (2+0)	30	2	2
	FM-221	DIFFERENTIAL EQUATIONS	3 (3+0)	45	3	5
	MS-221	TERRESTRIAL AND COASTAL NAVIGATION	4 (2+2)	60	3	3
	EE-223	ELECTRICITY	2(2+0)	30	2	3
	BG-221	DATA STRUCTURES AND ALGORITHMS	3 (3+0)	45	3	4
	BG-222	COMPUTER ARCHITECTURE	3 (2+1)	45	2,5	4
	BG-223	OBJECT ORIENTED PROGRAMMING	3 (2+1)	45	2,5	4
			TOTAL (8 Course)	25	375	21,0
		TOTAL: 16 COURSE	50	775	41,5	60

THIRD CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
			FIRST SEMESTER	MS-311		
	MH-311	MARITIME ENGLISH	2 (2+0)	32	2	2
	MH-312	COMMUNICATION AT SEA	2 (1+1)	32	1,5	2
	MA-311	METEOROLOGY	2 (2+0)	32	2	1
	BG-312	OPERATING SYSTEMS	3 (3+0)	48	3	5
	BG-313	DATABASE	4 (3+1)	64	3,5	5
	BG-314	FORMAL LANGUAGES AND AUTOMATA	3 (3+0)	48	3	6
	BG-311	ALGORITHM ANALYSIS AND DESIGN	3 (3+0)	48	3	5
		TOTAL (8 Course)	23	368	21	30
SECOND SEMESTER	MS-321	CELESTIAL NAVIGATION	3 (2+1)	45	2,5	3
	MM-321	NAVAL OPERATIONS MANAGEMENT	3 (2+1)	45	2,5	4
	MH-321	NAVAL ENGINEERING-1	4 (2+2)	60	3	4
	BG-321	COMPUTER NETWORKS	4 (3+1)	60	3,5	6
	BG-322	COMPUTER GRAPHICS	4 (2+2)	60	3	6
	BG-223	PROGRAMMING LANGUAGES	3 (3+0)	45	3	4
	EN-324	OPERATIONAL RESEARCH	2 (2+0)	30	2	1
	FM-321	PROBABILITY AND STATISTICS	2 (2+0)	30	2	2
			TOTAL (8 Course)	25	375	21,5
		TOTAL: 16 COURSE	48	743	42,5	60

FOURTH CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
			FIRST SEMESTER	MM-411		
MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2 (2+0)		32	2	2
MH-411	NAVAL WEAPONS SYSTEMS AND BALLISTICS	2 (2+0)		32	2	3
EE-414	ELECTRONICS	3 (3+0)		48	3	3
BG-411	SOFTWARE ENGINEERING	3 (3+0)		48	3	5
BG-412	INTERNET TECHNOLOGIES	4 (2+2)		64	3	6
BG-413	MICROPROCESSORS	3 (3+0)		48	3	5
YD-410	LEADERSHIP	2 (2+0)		32	2	2
MA-411	FOREIGN LANGUAGE-7	1 (1+0)		16	1	1
BD-414	PROJECT-1	2 (0+2)		32	1	-
		TOTAL (10 Course)	25	400	22,5	30
ND SEMESTER	MA-421	MILITARY LEADERSHIP	2 (2+0)	30	2	2
	SO-421	MILITARY STRATEGY AND SECURITY	2 (2+0)	30	2	2
	SO-422	MARITIME LAW	2 (2+0)	30	2	3
	SO-423	POLITICAL HISTORY	2 (2+0)	30	2	3
	BG-421	ARTIFICIAL INTELLIGENCE	3 (2+1)	45	2,5	5
	BG-422	DISTRIBUTED SYSTEMS	3 (3+0)	45	3	4
	BG-423	INFORMATION SYSTEMS SECURITY	4 (2+2)	60	3	5
	BG-424	MICROPROCESSORS LAB.	2 (0+2)	30	1	4

SECO	YD-420	FOREIGN LANGUAGE-8	2 (2+0)	30	2	2
	SO-425	MILITARY PSYCHOLOGIST	1 (1+0)	15	1	1
	BG-425	PROJECT-2	4 (0+4)	60	2	-
		TOTAL (11 Course)	27	405	22,5	31
		TOTAL: 21 COURSE	52	805	45	60
GRADUATION (66 COURSE)			200	3098	169,5	240

INTERNATIONAL RELATIONS AND MARITIME SECURITY

FIRST CLASS

	COURSES CODE	COURSES	CLASS TIME		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-110	FOREING LANGUAGE-1	9 (2+7)	144	5,5	9
	MS-111	SEAMANSHIP	2 (1+1)	32	1,5	3
	FM-111	MATHEMATICS-1	5 (5+0)	80	5	6
	FF-111	PHYSICS-1	5 (3+2)	80	4	6
	SO-111	CHEMISTRY-1	2 (2+0)	32	2	3
	FK-111	TURKISH LANGUAGE-1	2 (2+0)	32	2	3
	TOTAL (6 Course)		25	400	20	30
SECOND SEMESTER	YD-120	FOREIGN LANGUAGE-2	7 (2+5)	105	4,5	7
	MS-121	SHIP MANEUVERING AND HANDLING	2 (2+0)	30	2	2
	FM-121	MATHEMATICS-2	5 (5+0)	75	5	6
	FF-121	PHYSICS-2	5 (3+2)	75	4	6
	FK-121	CHEMISTRY-2	2 (1+1)	30	1,5	3
	SO-121	TURKISH LANGUAGE-2	2 (2+0)	30	2	3
	MK-121	TECHNICAL DRAWING	2 (1+1)	30	1,5	3
		TOTAL (7 Course)		25	375	20,5
	TOTAL (13 Course)		50	775	40,5	60

SECOND CLASS

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	YD-210	FOREIGN LANGUAGE-3	6(2+4)	96	4	5
	SO-211	HISTORY OF TURKISH REVOLUTION-1	2 (2+0)	32	2	2
	MS-211	WATCHKEEPING STANDARTS	2 (1+1)	32	1,5	1
	GI-212	NAVAL ARCHITECTURE	2 (2+0)	32	2	5
	UI-211	INT. TO ECONOMICS	2 (2+0)	32	2	1
	UI-212	INT. TO LAW	2 (2+0)	32	2	2
	UI-213	INTERNATIONAL LAW - 1	3 (3+0)	48	3	6
	UI-214	INT. TO INTERNATIONAL RELATIONS	3 (3+0)	48	3	5
	UI-215	INTERN. POLITICS	3 (3+0)	48	3	3
	TOTAL (9 Course)		25	400	22,5	30
SECOND SEMESTER	YD-220	FOREIGN LANGUAGE-4	5 (1+4)	75	3	5
	SO-221	HISTORY OF TURKISH REVOLUTION-1	2 (2+0)	30	2	2
	EE-223	ELECTRICITY	2 (2+0)	30	2	3
	MS-221	CELESTIAL NAVIGATION	4(2+2)	60	3	3
	UI-221	INTERNATIONAL ECONOMICS	3 (3+0)	45	3	4
	UI-222	INTERNATIONAL LAW -2	3 (3+0)	45	3	6
	UI-223	POLITICAL HISTORY-1	3 (3+0)	45	3	3
	UI-224	INTERN. POLITICS	3 (3+0)	45	3	4
	TOTAL (8 Course)		25	375	22,0	30
	TOTAL: 17 COURSE		50	775	44,5	60

THIRD CLASS

	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MS-311	ELECTRONIC NAVIGATION	4	64	3	4
	MH-311	COMMUNICATION AT SEA	2	32	2	1
	MH-312	MARITIME ENGLISH	2	32	1,5	2
	MA-311	METEOROLOGY	2	32	2	2
	UI-311	POLITICAL HISTORY-2	3	48	3	3
	UI-312	INTERNATIONAL RELATIONS THEORY	3	48	3	5
	UI-313	CONSTITUTIONAL LAW	3	48	3	5
	UI-314	HIST.of POLITICS THOUGHT	3	48	3	3

	Uİ-315	LAW OF MILITARY PUNISHMENTS	3	48	3	5
		TOTAL (9 Course)	25	400	23,5	30
SECOND SEMESTER	MS-321	CELESTIAL NAVIGATION	3	45	2,5	4
	MM-321	NAVAL OPERATIONS MANAGEMENT	4	60	3	5
	MH-321	NAVAL ENGINEERING-1	3	45	2,5	3
	EN-324	OPERATIONAL RESEARCH	2	30	2	1
	Uİ-321	GEOPOLITICS	3	45	3	4
	Uİ-322	HIST.of ECONOMICS THOUGHT	3	45	3	3
	Uİ-323	SCIENTIFIC RESEARCH METHODS	2	30	2	3
	Uİ-324	ADMINISTRATIVE LAW	3	45	3	4
	Uİ-325	INTERNATIONAL ORGANIZATIONS	2	30	2	3
			TOTAL (9 Course)	25	375	23,0
		TOTAL: 18 COURSE	50	775	46,5	60

FOURTH CLASS						
	COURSES CODE	COURSES	CLASS TIME(HOURS)		CREDIT	ECTS
			WEEK	TOTAL		
FIRST SEMESTER	MM-411	NAVAL ENGINEERING-2	3	48	2,5	3
	MA-412	NAVAL POWER-HISTORY OF NAVAL WARFARE	2	32	2	2
	MH-411	NAVAL WEAPONS SYSTEMS AND BALLISTICS	2	32	2	3
	EE-414	ELECTRONICS	3	48	3	3
	Uİ-411	TURKISH FOREIGN POLICY-1	3	48	3	5
	Uİ-412	INTERNATIONAL CRIMINAL LAW	3	48	3	4
	Uİ-413	LAW OF SEA-1	3	48	3	4
	Uİ-414	COMPARATIVE POLITICAL SYSTEMS	2	32	2	3
	YD-410	LEADERSHIP	1	16	1	1
	MA-411	FOREIGN LANGUAGE-7	2	32	2	2
	Uİ-416	PROJECT-1	2	32	1	-
		TOTAL (11 Course)	26	416	24,5	30
SECOND SEMESTER	MA-421	MILITARY LEADERSHIP	2	30	2	3
	SO-421	MILITARY STRATEGY AND SECURITY	2	30	2	3
	Uİ-421	TURKISH FOREIGN POLICY-2	3	45	3	4
	Uİ-422	CONTEMPORARY INTERNATIONAL ISSUES	3	45	3	3
	Uİ-423	THE LAW OF ARMED CONFLICT AT SEA	3	45	3	4
	Uİ-424	LAW OF SEA-2	3	45	3	4
	Uİ-425	INTERNATIONAL MARITIME AGREEMENTS	2	30	2	2
	Uİ-426	INTERNATIONAL POLITICS AND ECONOMICS	3	45	3	3
	YD-420	FOREIGN LANGUAGE-8	2	30	2	3
	SO-424	MILITARY PSYCHOLOGIST	1	15	1	1
	Uİ-428	PROJECT-2	4	60	2	-
		TOTAL (11 Course)	28	420	26	30
		TOTAL: 22 COURSE	54	836	50,5	60
		GRADUATION (70 COURSE)	204	3161	182	240

