

Eskişehir Osmangazi University Aeronautical Engineering Department
Between 2021-2024, Undergraduate Curriculum

Ders Kodu	Ders Adı	T	U	K	AKTS
1. YARIYIL 1. SINIF GÜZ		20	4		30
152411004	PHYSICS I	3	0	3	3
152411005	PHYSICS I LAB.	0	2	1	2
152411006	CALCULUS I	4	0	4	5
152411007	CHEMISTRY	3	0	3	3
152411010	INTRODUCTION TO AERONAUTICAL ENG.	3	0	3	6
152411008	TECHNICAL ENGLISH	2	0	2	2
152411002	COMPUTER AIDED DRAWING	2	2	4	6
152411003	OCCUPATIONAL HEALTH AND SAFETY (I)	1	0	1	1
152411009	TÜRK DİLİ (I)	2	0	0	2
3. YARIYIL 2. SINIF GÜZ		21	0		30
152413001	DIFFERENTIAL EQUATIONS	3	0	3	5
152413002	MECHANICS OF MATERIALS	4	0	4	6
152413003	DYNAMICS	3	0	3	4
152413004	MATERIALS SCIENCE	3	0	3	5
152413005	FUNDAMENTALS OF ELECTRICITY AND ELECTRONICS	3	0	3	4
152413006	LINEAR ALGEBRA	3	0	3	4
152413007	ATATÜRK İLKELERİ VE İNKILAP TARİHİ (I)	2	0	2	2
5. YARIYIL 3. SINIF GÜZ		21	0		30
152415001	FUNDAMENTALS OF AERODYNAMICS	3	0	3	5
152415002	HEAT TRANSFER	3	0	3	5
152415003	ELASTICITY	3	0	3	4
152415004	FUNDAMENTALS OF CONTROL SYSTEMS	3	0	3	5
152415005	MANUFACTURING TECHNOLOGIES	3	0	3	5
152415006	AIRCRAFT PERFORMANCE	3	0	3	3
NTE I	NON-TECHNICAL ELECTIVE (I)	3	0	3	3
7. YARIYIL 4. SINIF GÜZ		16	4		30
152417001	RESEARCH IN AERONAUTICAL ENGINEERING (I)	1	4	3	5
152417002	AIRCRAFT MAINTENANCE ENGINEERING	3	0	3	5
152417003	AIRCRAFT DESIGN	3	0	3	5
TE I	FIELD-SPECIFIC ELECTIVE (I)	3	0	3	5
TE II	FIELD-SPECIFIC ELECTIVE (II)	3	0	3	5
DE I	DESIGN ELECTIVE (I)	3	0	3	5

NTE I	NON-TECHNICAL ELECTIVE I-II	T	U	K	AKTS
152415007	PRODUCTION PLANNING	3	0	3	3
152415008	BEGINNING FRENCH 1	3	0	3	3
152415009	GERMAN 1	3	0	3	3
152415010	LABOUR LAW	3	0	3	3

TE I-II	TECHNICAL ELECTIVE I-II	T	U	K	AKTS
152417005	STRUCTURES OF FUSELAGE	3	0	3	5
152417006	AVIATION AND SPACE LAW	3	0	3	5
152417004	INTRODUCTION TO JET ENGINES	3	0	3	5

DE I	DESIGN ELECTIVE I	T	U	K	AKTS
152417007	COMPOSITE MATERIALS DESIGN	3	0	3	5

Ders Kodu	Ders Adı	T	U	K	AKTS
2. YARIYIL 1. SINIF BAHAR		21	4		30
152412001	PHYSICS II	3	0	3	3
152412002	PHYSICS II LAB.	0	2	1	2
152412003	CALCULUS II	4	0	4	5
152412004	FUNDAMENTALS OF COMPUTER PROGRAMMING	2	2	3	5
152412005	INTRODUCTION TO AERIAL VEHICLES	3	0	3	5
152412006	STATICS	3	0	3	3
152412007	ACADEMIC WRITING	3	0	3	4
152412008	OCCUPATIONAL HEALTH AND SAFETY (II)	1	0	1	1
152412009	TÜRK DİLİ (II)	2	0	0	2
4. YARIYIL 2. SINIF BAHAR		20	0		30
152414001	NUMERICAL METHODS	3	0	3	4
152414002	ENGINEERING THERMODYNAMICS	3	0	3	5
152414003	AEROSPACE MATERIALS	3	0	3	5
152414004	FLUID MECHANICS	3	0	3	5
152414005	MEASUREMENT TECHNIQUES	3	0	3	4
152414006	MACHINE ELEMENTS	3	0	3	5
152414007	ATATÜRK İLKELERİ VE İNKILAP TARİHİ (II)	2	0	2	2
6. YARIYIL 3. SINIF BAHAR		18	0		30
152416001	COMPRESSIBLE AERODYNAMICS	3	0	3	5
152416002	AEROSPACE STRUCTURES	3	0	3	5
152416003	AIRCRAFT STABILITY AND CONTROL	3	0	3	5
152416004	PROPULSION SYSTEMS	3	0	3	5
152416005	MECHANICAL VIBRATIONS	3	0	3	4
NTE II	NON-TECHNICAL ELECTIVE (II)	3	0	3	3
152416006	PRACTICAL TRAINING 1	0	0	0	3
8. YARIYIL 4. SINIF BAHAR		13	11		33
152418xxxx	AERONAUTICAL ENGINEERING LAB	0	4	2	4
152418xxxx	RESEARCH IN AERONAUTICAL ENGINEERING (II)	1	4	3	6
TE III	TECHNICAL ELECTIVE (I)	3	0	3	5
TE IV	TECHNICAL ELECTIVE (II)	3	0	3	5
TE V	TECHNICAL ELECTIVE (III)	3	0	3	5
DE II	DESIGN ELECTIVE II	3	0	3	5
152418xxxx	PRACTICAL TRAINING 2	0	3	3	3

NTE II	NON-TECHNICAL ELECTIVE II	T	U	K	AKTS
152416007	BEGINNING FRENCH 2	3	0	3	3
152416008	GERMAN 2	3	0	3	3

TE III-IV-V	TECHNICAL ELECTIVE III-IV-V	T	U	K	AKTS
152418xxxx	AIRCRAFT SYSTEMS	3	0	3	5
152418xxxx	BOUNDARY LAYER FLOWS	3	0	3	5
152418xxxx	COMPUTATIONAL AERODYNAMICS	3	0	3	5
152418xxxx	CORROSION	3	0	3	5
152418xxxx	FAILURE ANALYSIS	3	0	3	5
152418xxxx	GAS TURBINE ENGINE SYSTEMS	3	0	3	5
152418xxxx	POWER ELECTRONICS	3	0	3	5
152418xxxx	TESTING AND EVALUATION OF ENG. MATERIALS	3	0	3	5
152418xxxx	TURBULENT FLOWS	3	0	3	5

DE II	DESIGN ELECTIVE II	T	U	K	AKTS
152418xxxx	ROTORCRAFT DYNAMICS AND DESIGN	3	0	3	5
152418xxxx	AIRCRAFT ENGINE DESIGN	3	0	3	5
152418xxxx	DESIGN OF CONTROL SYSTEMS	3	0	3	5

Notes:

1- This curriculum is valid for the students who enrolled in ESOGU Aeronautical Department the freshman year 2021-2022 Fall semester and 2023-2024 Fall Semester (included).

2- The courses indicated with red pen are not valid yet.