

**Eskişehir Osmangazi University Aeronautical Engineering Department**  
**Beginning of 2024-2025 Fall Semester, Undergraduate Curriculum**

Ders Kodu	Ders Adı	T	U	K	AKTS
<b>1. YARIYIL 1. SINIF GÜZ</b>		<b>22</b>	<b>4</b>	<b>24</b>	<b>30</b>
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
152411012	INTRODUCTION TO AERONAUTICAL ENG.	2	0	2	2
152411008	TECHNICAL ENGLISH	2	0	2	2
152411013	COMPUTER AIDED DRAWING	2	2	3	6
152411014	OCCUPATIONAL HEALTH AND SAFETY (I)	2	0	2	2
152411009	TÜRK DİLİ (I)	2	0	2	2
SE I	SOCIAL ELECTIVE (I)	2	0	2	3
<b>3. YARIYIL 2. SINIF GÜZ</b>		<b>21</b>	<b>0</b>	<b>21</b>	<b>30</b>
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
<b>5. YARIYIL 3. SINIF GÜZ</b>		<b>21</b>	<b>0</b>	<b>21</b>	<b>30</b>
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
EngE III	ENGINEERING ELECTIVE (III)	3	0	3	5
152415006	AIRCRAFT PERFORMANCE	3	0	3	3
NTE I	NON-TECHNICAL ELECTIVE (I)	3	0	3	3
<b>7. YARIYIL 4. SINIF GÜZ</b>		<b>16</b>	<b>4</b>	<b>18</b>	<b>30</b>
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
FSE I	FIELD-SPECIFIC ELECTIVE (I)	3	0	3	5
FSE 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

FSE I-II	FIELD-SPECIFIC 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

EngE III	ENGINEERING ELECTIVE III	T	U	K	AKTS
152415005	MANUFACTURING TECHNOLOGIES	3	0	3	5

SE I	SOCIAL ELECTIVE I	T	U	K	AKTS
	Writing Skills	2	0		3
	Intercultural Communication	2	0		3
	Memoir Writing	2	0		3
	Composition	2	0		3
	Globalization	2	0		3
	Art of Photography	2	0		3
	PHYSICAL EDUCATION I	2	0		3
	TURKISH FOLK DANCES I	2	0		3
	INTRODUCTION TO BAGLAMA	2	0		3
	CULTURE AND SOCIAL CHANGE	2	0		3
	COMMUNICATION AND CULTURE I	2	0		3

Ders Kodu	Ders Adı	T	U	K	AKTS
<b>2. YARIYIL 1. SINIF BAHAR</b>		<b>21</b>	<b>4</b>	<b>23</b>	<b>30</b>
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
152412011	STATICS	3	0	3	4
152412007	ACADEMIC WRITING	3	0	3	4
152412012	OCCUPATIONAL HEALTH AND SAFETY (II)	2	0	2	2
152412009	TÜRK DİLİ (II)	2	0	2	2
SE II	SOCIAL ELECTIVE (II)	2	0	2	3
<b>4. YARIYIL 2. SINIF BAHAR</b>		<b>20</b>	<b>0</b>	<b>20</b>	<b>30</b>
152414001	NUMERICAL METHODS	3	0	3	4
152414002	ENGINEERING THERMODYNAMICS	3	0	3	5
EngE I	ENGINEERING ELECTIVE (I)	3	0	3	5
152414004	FLUID MECHANICS	3	0	3	5
152414005	MEASUREMENT TECHNIQUES	3	0	3	4
EngE II	ENGINEERING ELECTIVE (II)	3	0	3	5
152414007	ATATÜRK İLKELERİ VE İNKILAP TARİHİ (II)	2	0	2	2
<b>6. YARIYIL 3. SINIF BAHAR</b>		<b>18</b>	<b>0</b>	<b>18</b>	<b>30</b>
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
<b>8. YARIYIL 4. SINIF BAHAR</b>		<b>13</b>	<b>6</b>	<b>16</b>	<b>30</b>
152418xxxx	<b>AERONAUTICAL ENGINEERING LAB</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>
152418xxxx	<b>RESEARCH IN AERONAUTICAL ENGINEERING (II)</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>5</b>
FSE III	FIELD-SPECIFIC ELECTIVE (III)	3	0	3	5
FSE IV	FIELD-SPECIFIC ELECTIVE (IV)	3	0	3	5
FSE V	FIELD-SPECIFIC ELECTIVE (V)	3	0	3	5
DE II	DESIGN ELECTIVE (II)	3	0	3	5
152418xxxx	<b>PRACTICAL TRAINING 2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>

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

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

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

EngE I-II	ENGINEERING ELECTIVE I-II	T	U	K	AKTS
152414003	AEROSPACE MATERIALS	3	0	3	5
152414006	MACHINE ELEMENTS	3	0	3	5

SE II	SOCIAL ELECTIVE II	T	U	K	AKTS
	Reading Skills	2	0		3
	Media Communications	2	0		3
	Basics of Innovative Entrepreneurship	2	0		3
	Environmental Problems	2	0		3
	PHYSICAL EDUCATION II	2	0		3
	TURKISH FOLK DANCES II	2	0		3
	THE SHORT STORY	2	0		3
	COMMUNICATION VIA PRINTED MEDIA	2	0		3
	COMMUNICATION AND CULTURE II	2	0		3
	SOCIAL CHANGE AND LIFELONG LEARNING	2	0		3
	VOLUNTEERING ACTIVITIES	2	0		3

Notes:

1- This curriculum is valid for the students who enrolled in ESOGU Aeronautical Department in and after the 2024-2025 Fall semester.

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

2- The Social Elective courses can be selected from the list of enrolment web page during registrations as defined below. Any English course can be selected.

Yıl Dönem

Fakülte

Bölüm

Sınıf