7.1 Date	: xx.xx.xxxx
7.2 Name and Signature	:

7.3 Capacity

Head of Student Affair Office

7.4 Official stamp or seal

# 8 - INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Structure and Degree System

The basic structure of the Turkish National Education System consists of stages of non-compulsory pre-school education; compulsory primary (elementary and middle school) and secondary (high school) education; and higher education. Primary education begins at the age of 5.5 (66 months), lasts eight years and comprises elementary and middle school education, four years each. Secondary education is also four years and divided into two categories as "General High School Education" and "Vocational and Technical High School Education". The entry into these categories is through composite scores obtained from a centralized exam for secondary schools.

Higher education system in Turkey is managed by the Council of Higher Education (CoHE, Yükseköğretim Kurulu-YÖK) which is an autonomous public body responsible for the planning, coordination, governance and supervision of higher education within the provisions set forth in the Constitution of the Turkish Republic and the Higher Education Law. Both state and non-profit foundation universities are founded by law and subjected to the Higher Education Law and to the regulations enacted in accordance with it.

Higher education in Turkey comprises all post-secondary higher education programmes, consisting of short, first, second, and third cycle degrees in terms of the terminology of the European Higher Education Area (EHEA). Undergraduate level of study consists of short cycle (associate's önlisans derecesi) and first cycle (bachelor's-lisans derecesi) degrees which are awarded after successful completion of full-time two-year (120 ECTS) and four-year (240 ECTS) study programmes, respectively. The structure of first and second cycles is separate except for dentistry, pharmacy, medicine and veterinary programmes which are one-tier systems (lisans ve yüksek lisans bütünleşik programları). The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The level of qualifications in these one-tier programmes is equivalent to that of second cycle including first cycle.

Graduate level of study consists of second cycle (master's-yüksek lisans derecesi) and third cycle (doctorate-doktora derecesi) degree programmes.

Second cycle degrees are divided into two sub-types named as master with thesis and master without thesis. The master programmes with thesis require 120 ECTS credits, which consist of courses, a seminar, and a thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semester project. These programmes do not give direct access to third-cycle doctoral studies; for access to third-cycle programmes candidates should fulfil the thesis and other requirements of master programmes with thesis. 60 ECTS non-thesis master programmes are exceptional and exist in a few disciplines. Third cycle (doctorate with master degree) degree programmes are completed having earned 240 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Third cycle (doctorate with bachelor degree) degree programmes are completed having earned 300 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Proficiency in art, specialisation in medicine and in dentistry are accepted as equivalent to third cycle programmes, the last two being carried out within the faculties of medicine and dentistry, university hospitals and the training hospitals operated by the Ministry of Health. Universities consist of graduate schools (Institutes) offering second cycle and third cycle degree programmes, faculties offering first cycle programmes, four-year professional higher education schools offering first cycle degree programmes and two-year vocational schools offering short cycle degree programmes.

Admission requirements: Admission of national students to short and first cycle degree programmes is centralised and based on a nationwide one/two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Centre-ÖSYM). Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages. Admission to graduate programmes is directly conducted by the higher education institutions (HEIs) within the frameworks of the publicly available national and institutional regulations. Admission of international students to programmes at all levels of higher education can be done by direct applications of candidates to HEIs based on publicly available national and institutional regulations.

Turkish National Qualifications Frameworks: The National Qualifications Framework for Higher Education in Turkey (TQF-HE, TYYC in Turkish) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. Later in 2015, the framework became a part of Turkish Qualifications Framework (TQF, TYC in Turkish) which was designed as a single framework in harmony with the European Qualifications Framework and displays all qualifications gained through vocational, general and academic programs including primary, secondary and higher education or other learning environments. The framework was referenced with the EQF in 2017.

TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

Turkish Quality Assurance System: The Higher Education Quality Council of Turkey (THEQC) was founded as an autonomous public legal entity in 2015, and since then it has been operating at the national level for evaluating the quality levels of higher education institutions' education and research activities and administrative services at institutional level in accordance with the national and international quality standards, and coordinating the processes of institutional accreditation, internal and external quality assurance as well as authorization of independent external evaluation and accreditation organizations. THEQC is a full member of ENQA (The European Association for Quality Assurance in Higher Education) since April of 28, 2020.

QF, TQF	HE LEVE	LS, QUALIFICATI	IONS TYPES AND E	CTS CRED	ITS		GENERAL STRUCTURE OF THE	TURKISH EDUCATION SY	YSTEM
Higher Education Levels/Cycles		QUALIFICATIONS TYPES		TOTAL ECTS CREDITS	Doctorate (Doktora)	Proficiency in Art (Sanatta Yeterlik)	Specialisation in Medicine (Tipta Uzmanlık)	n Specialisation in Dentistriy (Diş Hekimliğinde	
QF- EHEA	EQF- LLL	TQF & TQF-HE		(Year)	(Year x 60 ECTS)	1,2,3,4		4	3 Uzmanlık)
			Doctorate			Ť		Master's Degree	One tier,
3	8	8	Specialisation in Medicine	4	240			with Thesis iksek Lisans Derecesi - Tezli)	Iong cycle Dégrees
	0	8	Specialisation in Dentistriy	4	240		(Ya	without Theeis ksek Lisans Derecesi - Tezsiz)	
			Proficiency in Art			Associate's Degree (Önlisans Derecesi)		Bachelor's Degree (Lisans Derecesi)	Veterinary Pharmacy Dentistry Medicine
			Master's Degree with Thesis	2	120			<b>^</b>	
2	7	7	Master's Degree without Thesis	1-1,5	60-90	Vocational & Tech High School Educal (4 years)		н	General ligh School Education (4 years)
1	6	6	Bachelor's Degree	4	240	<b>†</b>	Primary E (Elementary School (4 years)		s))
Short			Associate's					Education	
Cycle	5	5	Degree	2	120	The numbers 1 2 2 and 4 in	Pre-School ndicates the routes for one-tier long of		oxt (uppor) quala qualifications



# **Uşak University Diploma Supplement**

The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by European Commission, Council of Europe and UNESCO.

# 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIF

- 1.1. Last name(s)
- 1.2. First name(s) 1.3. Date of birth(day/month/year)
- 1.4. Student identification number or code (if available)

### 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of the qualification and title conferred (in original language): Makine Mühendisliği Lisans Derecesi
- 2.2. Main field(s) of study for the qualification: Mechanical Engineering
- 2.3. Name and status of awarding institution: Uşak Üniversitesi, Devlet Üniversitesi Uşak University, State University

### 3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

### 3.1. Level of qualification:

First Cycle (Bachelor's) Degree

# 3.2. Official duration of programme in credits and/or years:

4 years (240 ECTS), 8 Semesters, 16-18 weeks per semester

### 3.3. Access requirement(s):

(1) High School Diploma, (2) Placement through a centralised, nation-wide student selection and placement examination organized by Assessment, Selection and Placement Centre (ÖSYM). Candidates gain access to the programmes based on their composite scores consisting of the scores on the centralized exam and high school grade point averages.

### 4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

4.1. Mode of Study:

### Full-time

# 4.2. Programme learning outcomes:

The students must complete 4 years of study acquiring 240 ECTS credits. This degree is awarded to students who succesfully completed all courses in the curriculum and have a minimum CGPA of 2.00/4.00 and no failing grades.

### Key Learning Programme Outcomes :

- 1 The ability to apply knowledge of mathematics, science and engineering
- 2 The ability to design and conduct experiments as well as to analyze and interpret data.
- 3 The ability to work on multidisciplinary teams.
- 4 A knowledge of contemporary issues.
- 5 An understanding of professional and ethical responsibility. 6 - The ability to identify, formulate, and solve engineering problems.

### Graduation Requirements\*:

Students must obtain a grade point average of at least 2.00 out of 4.00 and successfully pass all courses on the programme (equivalent to a total of 240 ECTS).





Diploma No : xxxxxxxxxx **Diploma Date** : xx.xx.xxxx

2.4. Name and type of institution administering studies: Same as 2.3

2.5. Language(s) of instruction/examination: Turkish

Course Code         Course Title         Course Cate           Semester J         InterNATICS I         Required           05500127012         TECHNICAL DRAWING I         Required           05500127012         PHYSICS I         Required           05500127012         CHENISTRY         Required           05500127012         CHENISTRY         Required           015050127012         TOREIGN LANGUAGE I (ENGLSH)         Required           0150501027012         TURKISH LANGUAGE I (ENGLSH)         Required           0150501027012         TURKISH CROUP I         Required           05500126012         RATHEMATICAL II         Required           05500126012         TATHEMATICAL II         Required           05500126012         TOREIGN LANGUAGE II (ENGLSH)         Required           05500128012         TOREIGN LANGUAGE II (ENGLSH)         Required	Institutional		
50550122012     MATHEMATICS I     Required       505501072012     TECHNICAL DRAWING I     Required       505501072012     PHYSICS I     Required       505501072012     INTRODUCTION TO MECHANICAL ENGINEERING     Required       505501072012     CHEMISTRY     Required       505501072012     FOREIGN LANGUAGE I (ENGLISH)     Required       105551012012     TURKISH LANGUAGE I (ENGLISH)     Required       50550172012     USAGE OF BASIC INFORMATION TECHNOLOGIES     Required       50550172012     USAGE OF BASIC INFORMATION TECHNOLOGIES     Required       50550120212     TECHNICAL DRAWING II     Required       50550120212     TECHNICAL DRAWING II     Required       50550122012     PASIC COMPUTER SCIENCE     Required       50550122012     PHYSICS II     Required       50550122012     TURKISH LANGUAGE II (ENGLISH)     Required       505501212012     TURKISH LANGUAGE II     Required       505501212013     TRENGHT OF MATERIALS II     Required       505501212018     STRENGHT OF MATERIALS II     Required       505500212018     STRENGHT OF MATERIALS III	gory Credits	ECTS Credits	Grade
50500127012     TECHNICAL DRAWING I     Required       50500127012     PHYSICS I     Required       50500127012     CHEMISTRY     Required       50500127012     CHEMISTRY     Required       1050501027012     FOREIGN LANGUAGE I (ENGLISH)     Required       105050102012     PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY I     Required       105050102012     USAGE OF BASIC INFORMATION TECHNOLOGIES     Required       50500126012     MATHEMATICAL II     Required       50500126012     TECHNICAL DRAWING II     Required       50500126012     DASIC INFORMATION TECHNOLOGIES     Required       50500126012     TECHNICAL DRAWING II     Required       50500126012     PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II     Required       50500127012     URKISH LANGUAGE II (ENGLISH)     Required       50500128012     PHYSICS II     Required       50500128012     PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II     Required       505001292018     STRENGHT OF MATERIALS I     Required       505001292018     DYMAMICS     Required       505000220219     DYMAMICS     Required       505000220101     DYMAMICS     Required       505000220101     MATHEMATICS III     Required       505000220101     MATHEMATICS III			
505501222012     PHYSICS I     Pregined       5055001423012     INTRODUCTION TO MECHANICAL ENGINEERING     Required       5055001423012     CHEMISTRY     Required       5055001423012     FOREIGN LANGUAGE I (ENGLISH)     Required       1010550103012     PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY I     Required       505500125012     DIAGE OF BASIC INFORMATION TECHNOLOGIES     Required       505500126012     USAGE OF BASIC INFORMATION TECHNOLOGIES     Required       505500126012     TECHNICAL DRAWING II     Required       505500126012     TECHNICAL DRAWING II     Required       505500126012     PHYSICS I     Required       505500126012     PHYSICS II     Required       505500126012     PHYSICS II     Required       505500126012     TOREIN LANGUAGE II (ENGLISH)     Required       505500127018     STRENGHT OF MATERIALS I     Required       505500212018     STRENGHT OF MATERIALS I     Required       505500212018     STRENGHT OF MATERIALS I     Required       505500212018     STRENGHT OF MATERIALS II     Required       505500212018     STRENGHT OF MATERIALS II     Required       505500212018     STRENGHT OF MATERIALS II     Required       505500212018     MATERIAL SCIENCE I     Required       5055002212018 <td>4</td> <td>÷ 5</td> <td>BB</td>	4	÷ 5	BB
950501222012     PHYSICS I     Required       950501432012     INTRODUCTION TO MECHANICAL ENGINEERING     Required       950501432012     CHEMISTRY     Required       950501432012     FOREIGN LANGUAGE I (ENGLISH)     Required       10505102012     TURKISH LANGUAGE I (ENGLISH)     Required       10505102012     PRINCIPLES OF ATATÜK AND RECENT TURKISH HISTORY I     Required       10505102012     USAGE OF BASIC INFORMATION TECHNOLOGIES     Required       Semester II     Required     Required       95500125012     TECHNICAL DRAWING II     Required       95500128012     FOREIGN LANGUAGE II (ENGLISH)     Required       95500128012     FOREIGN LANGUAGE II     Required       955001281     STATI	3	3 4	AA
50500132012INTRODUCTION TO MECHANICAL ENGINEERINGRequired50500132012CHEMISTRYRequired100501032012TURKISH LANGUAGE I (ENGLISH)Required100501032012TURKISH LANGUAGE IRequired100501052012PUINCIPLES OF ATATÜK AND BACENT TURKISH HISTORY IRequired10050102012LELECTURE GROUP IRequired10050102012USAGE OF BASIC INFORMATION TECHNOLOGIESRequired10050102012USAGE OF BASIC INFORMATION TECHNOLOGIESRequired10050102012TECHNICAL DAWING IIRequired50500126012MATHEMATICAL IIRequired50500126012DATATÜKA KAND RECENT TURKISH HISTORY IIRequired50500127012UDRGISH LANGUAGE II (ENGLISH)Required50500128012PHYSICS IIRequired50500128012PRINCIPLES OF ATATÜK AND RECENT TURKISH HISTORY IIRequired505001292018STRENGHT OF MATERIALS IRequired505002122018DYNAMICSRequired505002212018DYNAMICSRequired505002212018DYNAMICSRequired50500221018MATHEMATICS IIIRequired50500222018MATHEMATICS IIIRequired50500222018MATHEMATICS IIIRequired50500222018HALDINGCHARCIS IIRequired50500222018HALDINGCHARCIS IIRequired50500222018HALDINGCHARCIS IIRequired50500222018HALDING AND VENTILATIONRequired50500222018HALDING AND VENTILATIONRequired50500	3,50		AA
505501272012CHEMISTRYRequired105051032012FOREIGN LANGUAGE IRequired105051032012PURICHES OF ATATÜK AND RECENT TURKISH HISTORY IRequired105051052012USAGE OF BASIC INFORMATION TECHNOLOGIESRequired505501272012USAGE OF BASIC INFORMATION TECHNOLOGIESRequired505501272012USAGE OF BASIC INFORMATION TECHNOLOGIESRequired505501272012TECHNICAL DRAWING IIRequired505501272012TECHNICAL DRAWING IIRequired505501272012PURICIPE SCIENCERequired505501272012PURICIPE SCIENCERequired505501272012TURKISH LANGUAGE II (ENGLISH)Required505501272012TURKISH LANGUAGE IIRequired505501272012TURKISH LANGUAGE IIRequired505501272012PURICIPLES OF ATATÜK AND RECENT TURKISH HISTORY IIRequired505501272018STREINGHT OF MATERIALS IRequired505501272018STREINGHT OF MATERIALS IRequired505501272019ELECTROTHECNICALElective505500272018STATICSRequired505500272018STATICSRequired505500272018STATICSRequired505500272019ELECTROTHECNICALElective505500272018STATICSRequired505500272018MATERIALS CIENCE IRequired505500272019ELECTROTHECNICALElective505500272018MATERIALS IIRequired505500272018STREINGHT OF MATERIALS IIRequired505500272018 <td>2</td> <td></td> <td>BB</td>	2		BB
<ul> <li>10505.1022012</li> <li>FOREIGN LANGUAGE I (ENGLISH)</li> <li>Required</li> <li>10505.1022012</li> <li>TURKISH LANGUAGE I</li> <li>Required</li> <li>10505.1052012</li> <li>PRINCIPLES OF ATATIORK AND RECENT TURKISH HISTORY I</li> <li>Required</li> <li>10505.1052012</li> <li>USAGE OF BASIC INFORMATION TECHNOLOGIES</li> <li>Required</li> <li>10505.1052012</li> <li>USAGE OF BASIC INFORMATION TECHNOLOGIES</li> <li>Required</li> <li>10505.1052012</li> <li>MATHEMATICAL II</li> <li>Required</li> <li>10505.00126012</li> <li>TECHNICAL DRAWING II</li> <li>Required</li> <li>10505.00128012</li> <li>PHYSICS II</li> <li>Required</li> <li>10505.0122012</li> <li>FOREIGN LANGUAGE II (ENGLISH)</li> <li>Required</li> <li>10505.0122012</li> <li>TURKISH LANGUAGE II (ENGLISH)</li> <li>Required</li> <li>10505.0122012</li> <li>TURKISH LANGUAGE II (ENGLISH)</li> <li>Required</li> <li>10505.00221013</li> <li>STRENGHT OF MATERIALS I</li> <li>Required</li> <li>10505.00221018</li> <li>STRENGHT OF MATERIALS I</li> <li>Required</li> <li>10505.00221018</li> <li>STRENGHT OF MATERIALS II</li> <li>Required</li> <li>10505.00221018</li> <li>STRENGHT OF MATERIALS II</li> <li>Required</li> <li>10505.00221018</li> <li>MATHENATICS</li> <li>Elective</li> <li>10505.00221018</li> <li>MATHENATICS III</li> <li>Required</li> <li>10505.00222018</li> <li>MATHENATICS III</li></ul>	3		DC
110505102012 TURKISH LANGUAGE I 10505102012 PRINCIPLES OF ATATIOR KAND RECENT TURKISH HISTORY I 105051072012 USAGE OF BASIC INFORMATION TECHNOLOGIES Semester II 50500128012 TECHNICAL DRAVING II 50500128012 TECHNICAL DRAVING II 50500128012 TECHNICAL DRAVING II 50500128012 PHYSICS II FRequired 50500128012 PHYSICS II 105051042012 FOREIGN LANGUAGE II (ENGLISH) 105051042012 FOREIGN LANGUAGE II (ENGLISH) 105051042012 FOREIGN LANGUAGE II (ENGLISH) 105051042012 FOREIGN LANGUAGE II (ENGLISH) 50500128012 STATICS 505002128013 STRENGHT OF MATERIALS I 50500212018 STRENGHT OF MATERIALS I 50500212019 ELECTROTHECNICAL 50500212018 MATERIAL SCIENCE I 50500212018 MATERIAL SCIENCE I 505002201018 MATERIAL SCIENCE I 50500222018 MATERIALS II 50500222018 MATERIALS II 50500022018 MATERIALS II 50500022019 LOWNITER AIDED SYSTEM MODELING (ELECTIVE) 50500022018 MATERIALS II 50500022019 COMPUTER AIDED SYSTEM MODELING SCIENCENCE 50500022018 MATERIALS II 505000202018 MATERIALS II 50500022019 COMPUTER AIDED SYSTEM MODELING SCIENCENCE 50500021018 MATERIALS II 50500021018 MATERIALS II 50500022019 COMPUTER AIDED SYSTEM MODELING SCIENCENCE 50500021018 MACHINE ELEMENTS II 50500021018 MACHINE ELEM	3		CB
1105051052012 PRINCIPLES OF ATATURK AND RECENT TURKISH HISTORY I Required 1105051092012 ELECTWIC GROUP I Elective isomester II isomester III isomester I	2		BA
1105051072012       ELECTIVE GROUP 1       Elective         105051072012       USAGE OF BASIC INFORMATION TECHNOLOGIES       Required         105051072012       WATHEMATICAL II       Required         50500128012       TECHNICAL DRAWING II       Required         50500128012       TECHNICAL DRAWING II       Required         50500128012       PHYSICS II       Required         105051002012       TURKISH LANGUAGE II (ENGLISH)       Required         50500128012       PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II       Required         50500212012       PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II       Required         50500212018       DYNAMICS       Required       Required         50500212018       DYNAMICS       Required       Elective         50500212018       MATHEMATICS III       Required       Elective         50500212018       MATHEMATICS III       Required       50500222018       Required         505002201018       MATHEMATICS III       Required       50500222018       Required         505002201018       MATHEMATICS III       Required       505002202018       Required         505002202018       MATHEMATICS III       Required       505002202018       Required       505002202018       Re			
105051072012USAGE OF BASIC INFORMATION TECHNOLOGIESRequirediemester II	2		AA
isemester II So500125012 MATHEMATICAL II Required So500128012 TECHNICAL DRAWING II Required So500128012 PHYSICS II Required So500128012 POREION LANGUAGE II (ENGLISH) Required So500128012 TURKISH LANGUAGE II (ENGLISH) Required So500128012 POREION LANGUAGE II (ENGLISH) Required So500128012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required So500128012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required So500128012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required So500128012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required So500129018 STRENGHT OF MATERIALS I So500221018 DYNAMICS Required So500122018 STATISTICS Required So5000221018 MATHEMATICAL II SO500221018 MATHEMATICAL SII SO500221018 MATHEMATICS III Required So500022018 MATHEMATICS III Required So5002242018 MATHEMATICS III Required So5002242018 FUMD MECHANICS Required So500222018 STRENGHT OF MATERIALS II Required So5002242018 FURDMECHANICS Required So5002242018 FURDMECHANICS Required So500222018 STRENGHT OF MATERIALS II Required So500222018 MATHEMATICAL IV Required So500222018 MATHEMATICAL IV Required So500222018 MATHEMATICAL IV Required So500222018 MATHEMATICA IV REQUIRED SOS00322019 MATHEMATICA IV REQUIRED SOS			CC CC
SISS01222012MATHEMATICAL IIRequiredSISS010182012TECHNICAL DRAWING IIRequiredSISS010182012BASIC COMPUTER SCIENCERequiredSISS01282012PHYSICS IIRequiredSISS01282012FORKIGN LANGUAGE II (ENGLISH)RequiredSISS0122012TURKISH LANGUAGE II (ENGLISH)RequiredSISS0122012TURKISH LANGUAGE II (ENGLISH)RequiredSISS0122012TURKISH LANGUAGE IIRequiredSISS0122012TURKISH LANGUAGE IIRequiredSISS0122012STRENGHT OF MATERIALS IRequiredSISS02212018STRENGHT OF MATERIALS IRequiredSISS02212018DYNAMICSRequiredSISS02212018DYNAMICSRequiredSISS02212018Enzymes In MedicineElectiveSISS02212018MATERIAL SCIENCE IRequiredSISS0222012018MATERIAL SCIENCE IRequiredSISS0222012018MATERIAL SCIENCE IRequiredSISS02222018FULID MECHANICSRequiredSISS02222018FULID MECHANICSRequiredSISS02222018THERMODYNAMICS IIRequiredSISS02222018INTERNSHIP IRequiredSISS02222018INTERNSHIP IRequiredSISS02222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredSISS03222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredSISS03222018COMPUTER AIDED DESINGElectiveSISS03222018MATHEMATICAL IVRequiredSISS03222018MACHINE ELEMENTS IIRequired	2	2 2	CC
50500182012       TECHNICAL DRAWING II       Required         50500132012       BASIC COMPUTER SCIENCE       Required         505001282012       PHYSICS II       Required         505001282012       TURKISH LANGUAGE II (ENGLISH)       Required         5050012012       TURKISH LANGUAGE II       Required         5050012012       PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II       Required         5050012012       PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II       Required         50500212018       DYNAMICS       Required         50500212019       ELECTROTHECNICAL       Elective         50500212018       MATHEMATICS III       Required         50500212018       MATHEMATICS III       Required         50500212018       MACHINE ELEMENTS I       Required         50500222018       TRENGTH OF MATERIALS II			
SISS01342012BASIC COMPUTER SCIENCERequiredS05001282012PHYSICS IIRequiredS05001282012FOREIGN LANGUAGE II (ENGLISH)RequiredS0500122012TURKISH LANGUAGE II (ENGLISH)RequiredS0500122012TURKISH LANGUAGE IIRequiredS0500122012STRENGHT OF MATERIALS IRequiredS0500122018STRENGHT OF MATERIALS IRequiredS0500212018STRENGHT OF MATERIALS IRequiredS0500212018STRENGHT OF MATERIALS IRequiredS05002212018DYNAMICSRequiredS05002212018MATERIAL SCIENCE IRequiredS050022012019ELECTROTHECNICALElectiveS050022012018MATERIAL SCIENCE IRequiredS05002212018MATERIAL SCIENCE IRequiredS050022012018MATERIAL SCIENCE IRequiredS0500222018FULID MECHANICSRequiredS0500222018FULID MECHANICSRequiredS0500222018STRENGTH OF MATERIALS IIRequiredS0500222018MATHERIALS IIRequiredS0500222018MATHERALS IIRequiredS050022018MATERIALS IIRequiredS050022018MATERIALS IIRequiredS050022018MATERIALS IIRequiredS050022018MATERIALS IIRequiredS050022018MATERIALS IIRequiredS0500322018COMPUTER ALDED SYSTEM MODELING (ELECTIVE)RequiredS0500322018MEATING AND VENTILATIONElectiveS0500322018HEATING AND VENTIL	4		BB
505001282012PHYSICS IIRequired105051042012FOREIGN LANGUAGE II (ENGLISH)Required10505102012TURKISH LANGUAGE IIRequired505001062012STATICSRequired50500122013STRENGHT OF MATERIALS IRequired50500122014DYNAMICSRequired50500122015STRENGHT OF MATERIALS IRequired505002221018DYNAMICSRequired505002221019ELECTROTHECNICALElective50500222018STATISTICSRequired50500212019ELECTROTHECNICALElective505002021018MATHEMATICS IIIRequired505002221018MATHEMATICS IIIRequired50500222018MATHEMATICS IIRequired50500222018THERMODYNAMICS IRequired50500222018STRENGTH OF MATERIALS CILLRequired50500222018STRENGTH OF MATERIALS IIIRequired50500222018MATHEMATICAL IVRequired50500222018INTERNSHIP IRequired50500222018MATHEMATICAL IVRequired50500222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500321018INCENNSHIP IRequired50500321018MACHINE ELEMENTS IIRequired50500322018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500321018MACHINE ELEMENTS IIRequired50500321018MACHINE ELEMENTS IIRequired50500321018MACHINE ELEMENTS IIRequired50500321018MACHINE ELEMENTS II <t< td=""><td>3</td><td></td><td>CB</td></t<>	3		CB
1105051022012 FOREIGN LANGUAGE II (ENGLISH) Required 1105051022012 TURKISH LANGUAGE II REGLIEN 1105051022012 STATICS Required 1105051022012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 1105051022012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 1105051022012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 1105051022012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 1105051022012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 1505002212018 STRENGHT OF MATERIALS I Required 15050022012019 ELECTROTHECNICAL Elective 150500212018 Enzymes In Medicine Elective 150500212018 Enzymes In Medicine Required 15050022021018 MATERIAL SCIENCE I Required 15050022021018 MATERIAL SCIENCE I Required 150500222018 FULID MECHANICS NI Required 150500222018 FULID MECHANICS NI Required 150500222018 FULID MECHANICS NI Required 150500222018 STRENGTH OF MATERIALS II Required 15050022018 MATERIALS II Required 150500222018 COMPUTER AIDED SYSTEM MODELING (ELECTIVE) Required 150500322018 COMPUTER AIDED DESING Elective 150500322018 COMPUTER AIDED DESING Elective 150500322018 MATERIALS II Required 150500322018 MEATING AND VENTLATION Elective 150500322018 MATERIALS II Required 150500322018 MATERIALS II Required 150500322018 MATERIALS II Required 150500322018 MEATING AND VENTLATION Elective 150500332018 MEATING AND VENTLATION Elective 150500322018 MEATING AND VENTLATION Elective 150500322018 MEATING STANSFER ELECTIVE Required 150500322018 MEATING STANSFER ELECTIVE Required 150500322018 MACHINE ELECTIVES REQUIRED 150500322018 MACHINE ELECTIVES REQUIRES REQUIRED 150500322018 MACHINE ROSINES Elective 1505000	3	3 4	CB
110505102012 TURKISH LANGUAGE II Required 50500105012 STATICS Required 50500120212 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 50500212018 STRENGHT OF MATERIALS I Required 50500212018 STATISTICS Required 50500212019 ELECTROTHECNICAL Elective 50500212019 ELECTROTHECNICAL Elective 50500212018 MATHERIAL SCIENCE I Required 5050022018 MATHERIAL SCIENCE I Required 5050022018 MATHERIAL SCIENCE I Required 50500222018 THERMODYNAMICS I Required 50500222018 STRENGTH OF MATERIALS II Required 50500224018 MATERIALS II Required 50500222018 INTERNMOTYNAMICS I Required 50500225018 INTERNSHIP I Required 50500225018 INTERNSHIP I Required 50500227018 COMPUTER AIDED SYSTEM MODELING (ELECTIVE) Required 50500327018 COMPUTER AIDED DESING 50500327018 MATHEMATICAL IV Required 50500327018 COMPUTER AIDED DESING ELECTIVE Required 50500327018 MATHEMATICAL IV Required 50500327018 COMPUTER AIDED DESING ELECTIVE Required 50500321018 MATHEMATICAL IV Required 50500322018 HEATING AND VENTLATION ELECTIVE Required 50500322018 HEATING AND VENTLATION Required 505003219 COMPUTER AIDED DESING ELECTIVE REQUIRED 50500322018 HEATING AND VENTLATION ELECTIVE REQUIRED 50500322018 HEATING AND VENTLATION REQUIRED 50500322018 HEATING SAND ENGINEERING MATHEMATICS ELECTIVE 50500322018 HEATING SAND VENTLATION REQUIRED 50500322018 HEATING SAND VENTLATION REQUIRED 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND FINANCIAL SOLUTIONS ELECTIVE 50500322018 DYNAMICS OF PRODUCTIONS ENGINEERING REQUIRED 50500322018 DYNAMICS OF RODUCTIONS ENGINEERING REQUIRED 50500432018 ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONS ELECTI	3,50	) 5	CC
110505102012 TURKISH LANGUAGE II Required 50500105012 STATICS Required 50500120212 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required 50500212018 STRENGHT OF MATERIALS I Required 50500212018 STATISTICS Required 50500212019 ELECTROTHECNICAL Elective 50500212019 ELECTROTHECNICAL Elective 50500212018 MATHERIAL SCIENCE I Required 5050022018 MATHERIAL SCIENCE I Required 5050022018 MATHERIAL SCIENCE I Required 50500222018 THERMODYNAMICS I Required 50500222018 STRENGTH OF MATERIALS II Required 50500224018 MATERIALS II Required 50500222018 INTERNMOTYNAMICS I Required 50500225018 INTERNSHIP I Required 50500225018 INTERNSHIP I Required 50500227018 COMPUTER AIDED SYSTEM MODELING (ELECTIVE) Required 50500327018 COMPUTER AIDED DESING 50500327018 MATHEMATICAL IV Required 50500327018 COMPUTER AIDED DESING ELECTIVE Required 50500327018 MATHEMATICAL IV Required 50500327018 COMPUTER AIDED DESING ELECTIVE Required 50500321018 MATHEMATICAL IV Required 50500322018 HEATING AND VENTLATION ELECTIVE Required 50500322018 HEATING AND VENTLATION Required 505003219 COMPUTER AIDED DESING ELECTIVE REQUIRED 50500322018 HEATING AND VENTLATION ELECTIVE REQUIRED 50500322018 HEATING AND VENTLATION REQUIRED 50500322018 HEATING SAND ENGINEERING MATHEMATICS ELECTIVE 50500322018 HEATING SAND VENTLATION REQUIRED 50500322018 HEATING SAND VENTLATION REQUIRED 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND STRANSFER ELECTIVE 50500322018 HEATING SAND FINANCIAL SOLUTIONS ELECTIVE 50500322018 DYNAMICS OF PRODUCTIONS ENGINEERING REQUIRED 50500322018 DYNAMICS OF RODUCTIONS ENGINEERING REQUIRED 50500432018 ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONS ELECTI	3		CC
505001062012       STATICS       Required         i005051062012       PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II       Required         50500212018       STRENGHT OF MATERIALS I       Required         50500212018       DYNAMICS       Required         50500212018       DYNAMICS       Required         50500212019       ELECTROTHECNICAL       Elective         50500212018       MATERIAL SCIENCE I       Required         505002012018       MATERIAL SCIENCE I       Required         505002202018       MATERIAL SCIENCE I       Required         505002202018       MATENIAL SCIENCE I       Required         50500222018       MACHINE ELEMENTS I       Required         50500222018       FILID MECHANICS       Required         50500222018       STRENGTH OF MATERIALS II       Required         50500222018       INTERMODYNAMICS I       Required         50500221018       INTERNODYNAMICS I       Required         50500221018       INTERNSHIP I       Required         50500221018       INTERNSHIP I       Required         50500222018       COMPUTER AIDED DESING       Required         50500322018       COMPUTER AIDED DESING       Required         50500322018       HEATIN	2		CC
114565162012 PRINCIPLES OF ATATÜRK AND RECENT TURKISH HISTORY II Required Semester III  Semester III  Semester III  StrenGHT OF MATERIALS 1 Required 50500212018 STRENGHT OF MATERIALS 1 Required 50500212018 STRENGHT OF MATERIALS 1 Elective Elective Elective 50500212019 ELECTROTHECNICAL Elective 50500212018 MATERIAL SCIENCE 1 Required 50500212018 MATHEMATICS III Required 50500222018 MATHEMATICS III Required 50500222018 THERMOPYNAMICS 1 Required 50500222018 THERMOPYNAMICS 1 Required 50500222018 THERMOPYNAMICS 1 Required 50500222018 THERMOPYNAMICS 1 Required 50500222018 MATHEMATICAL IV Required 50500226018 MATHEMATICAL IV Required 50500226018 MATHEMATICAL IV Required 50500226018 INTERNSHIP 1 Required 50500227018 MATHEMATICAL IV Required 50500327018 COMPUTER AIDED SYSTEM MODELING (ELECTIVE) Required 50500327018 COMPUTER AIDED SYSTEM MODELING (ELECTIVE) Required 50500327018 THERMOPYNAMICS II Required 50500327018 COMPUTER AIDED DESING Elective 50500337018 THERMOPYNAMICS II Required 50500327018 COMPUTER AIDED DESING Elective 50500332018 HECHAINSMS Elective 50500332018 HECHAINSMS Elective 50500332018 HECHAINSMS Elective 50500332018 HECHAINSMS Elective 50500328018 STEAM BOLLENS II Required 50500328018 HECHAINSMS Elective 50500328018 STEAM BOLLENS II Required 50500328018 HEAT TANASFER Required 50500328018 STEAM BOLLENS II Required 50500328018 STEAM BOLLENS STANSFER Elective 50500328018 STEAM BOLLENS STANSFER ELECTIVE 50500328018 FICAM NASS TRANSFER ELECTIVE 50500328018 FICAM DASS TRANSFER ELECTIVE 50500328018 FICAM DASS TRANSFER ELECTIVE 50500328018 FICAM DASS TRANSFER ELECTIVE 50500328018 STEAM BOLLENS AND FINANCIAL SOLUTIONS ELECTIVE 50500342019 COMPUTER AIDED ENGINEERING AND FINANCIAL SOLUTIONS ELECTIVE 50500342019 COMPUTER AIDED SUBSENGINEERING Required 50500342019 COMPUTER AIDED SUBSENGINEERING Required 5050032018 PINANCINCE CONOMICS ELECTIVE Required 5050032018 MACHINE FROIDES ELECTIVE 50500432018 MACHINE FROIDECT REQUIRE 50500432018 MACHINE FROIDECT REQUIRES 5050043201	4		BB
Semester III SUSDO2192018 STREINGHT OF MATERIALS I SUSDO2192018 STREINGHT OF MATERIALS I SUSDO2292018 STATISTICS Elective SUSDO2292018 STATISTICS Elective SUSDO2292018 EACTROTHECNICAL Elective SUSDO2292018 EACTROTHECNICAL Elective Elective SUSDO2292018 EACTROTHECNICAL Elective Elective SUSDO2292018 MATERIALS SCIENCE I Required SUSDO2292018 MATERIALS SCIENCE I SUSDO2292018 MATERIALS SCIENCE I SUSDO2292018 MATERIALS SCIENCE I SUSDO2292018 FULID MECHANICS Required SUSDO2292018 FULID MECHANICS Required SUSDO2292018 FULID MECHANICS Required SUSDO2292018 MATERIALS II REMOPYNAMICS II REQUIRED SUSDO2292018 MACHINE REMOPYNAMICS II REQUIRED SUSDO2292018 MACHINE SUSDA2019 MACHINE SUSDA2018 MACHINE SUSDA200 MACHINE SUSDA2	2		AA
505002192018STRENGHT OF MATERIALS IRequired505002212018DYNAMICSRequired505002212018STATISTICSElective50500212019ELECTROTHECNICALElective50500212018Enzymes In MedicineElective505002012018MATERIAL SCIENCE IRequired50500202018MATHEMATICS IIIRequired50500224018MATHEMATICS IIRequired505002202018MATHEMATICS IRequired50500222018THERMODYNAMICS IRequired505002262018STRENGTH OF MATERIALS IIRequired505002262018STRENGTH OF MATERIALS IIRequired505002262018Inspiring Sustainations From The BridgeElective505002202018INTERNSHIP IRequired50500222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500322018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500322018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required5050032019COMPUTER AIDED NETILATIONElective5050032019COMPUTER AIDED NETILATIONElective5050032018HEAT TANSFERRequired5050032019COMPUTER AIDED NETILATIONElective5050032018HEAT RANSFERElective5050032019COMPUTER AIDED NETILATIONElective5050032018MACHINE ELEMENTS IIRequired5050032019COMPUTER AIDED NOTINCLRequired5050032018HEAT RANSFERElective5050032018STEM BOLLERSRequired<	2	- 2	
505002212018DYNAMICSRequired150500221019ELECTROTHECNICALElective150500212019ELECTROTHECNICALElective1505002101019ELECTROTHECNICALElective150500210118MATERLAL SCIENCE IRequired15050021012018MATERLAL SCIENCE IRequired1505002202018MATHEMALTICS IIIRequired150500222018FLUID MECHANICS IRequired150500222018THERMODYNAMICS IRequired150500222018THERMODYNAMICS IRequired1505002202108THERMODYNAMICS IRequired15050022018INTERNISTIRequired15050022018INTERNISTIP IRequired15050022018INTERNISTIP IRequired15050022018INTERNISTIP IRequired15050022018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required150500327018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required150500321018MACHANISMSRequired150500321018MECHANISMSRequired150500321018MACHINE ELEMENTS IIRequired150500321018MACHINE ELEMENTS IIRequired150500321018MACHINE STRANSFERElective150500321018MACHINES SAID CONTROLRequired15050032018MACHINES SAID CONTROLRequired15050032018MACHINE SAID CONTROLRequired15050032018NEAT MANSFERElective15050032018NTANISS AND CONTROLRequired15050032019COMPUTER AIDERS AND FINANCIAL		4 5	DC
505002292018STATISTICSElective505002012019ELECTROTHECNICALElective505002012018ENATREAL SCIENCE IRequired505002012018MATERIAL SCIENCE IRequired50500202018MATHEMATICS IIIRequired505002242018MACHINE ELEMENTS IRequired50500222018FLUID MECHANICSRequired50500222018THERMODYNAMICS IRequired50500222018STRENGTH OF MATERIALS IIRequired50500222018STRENGTH OF MATERIALS IIRequired50500222018Inspiring Sustainations From The BridgeElective5050022012018MATHENALS IIRequired505002212018MATHENALS IIRequired505002212018MATHENALS IIRequired505002212018MATHENASTIP IRequired505002212018MATHENASTIP IRequired50500327018COMPUTER AIDED DESINGElective50500322018COMPUTER AIDED DESINGRequired5050032018HEAT TRANSFERRequired50500321018HEAT AND MASS TRANSFERElective50500321018HEAT AND MASS TRANSFERElective50500322019COMPUTER AIDED CONTROLRequired50500322018MACHINE ELEMENTS IIRequired50500321018HEAT AND MASS TRANSFERElective5050032019SYSTEM DYNAMICS AND CONTROLRequired5050032019SYSTEM DYNAMICS AND CONTROLRequired5050032019SYSTEM DYNAMICS AND CONTROLRequired5050032019M	4		DC
ISOS00212019ELECTROTHECNICALElectiveDSDN300122018Enzymes In MedicineElectiveDSDN300122018MATERIAL SCIENCE IRequiredSoso0212018MATHEMATICS IIIRequiredSemester IVVRequiredDSOS00222018FLUID MECHANICSRequiredDSOS00222018FLUID MECHANICS IRequiredDSOS00222018FLUID MECHANICS IRequiredDSOS00222018STRENGTH OF MATERIALS IIRequiredDSOS002202018MATERIALS IIRequiredDSOS00212018IntERNODYNAMICS IRequiredDSOS00212018INTERNSHIP IRequiredDSOS002202018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredDSOS00222018COMPUTER AIDED DESINGElectiveDSOS00327018COMPUTER AIDED DESINGRequiredDSOS00322018HEATING AND VENTILATIONElectiveDSOS00321018HEATING AND VENTILATIONElectiveDSOS00321018HEATING AND VENTILATIONElectiveDSOS00321018HEAT ANDAFERRequiredDSOS00321018HEAT ANDAFERElectiveDSOS00321018HEAT AND MASS TRANSFERElectiveDSOS0032019COMPUTER AIDED NOSTINE SILRequiredDSOS0032018NECHANISMSElectiveDSOS0032019COMPUTER AIDED ENGINEERING MATHEMATICSElectiveDSOS0032018MEATIRANSFERElectiveDSOS0032018NTERNAMICS AND CONTROLRequiredDSOS0032019MASUREMENTS TECHNIQUESRequiredDSOS0032019	4		BA
SDN300122018Enzymes în MedicineElectiveS0500012018MATERIAL SCIENCE IRequiredS05000292018MATHEMATICS IIIRequiredS05000220218FLUID MECHANICSRequiredS05000222018FLUID MECHANICS IRequiredS050002202018THERMODYNAMICS IRequiredS050002202018STRENGTH OF MATERIALS IIRequiredS050002202018Inspiring Sustainations From The BridgeElectiveS050002202018MATERIALS IIRequiredS05000212018MATHEMATICAL IVRequiredS0500020202018INTERNSHIP IRequiredS0500020202018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredS05000327018COMPUTER AIDED DESINGElectiveS0500032018COMPUTER AIDED DESINGElectiveS0500032018MECHANISMSRequiredS0500032018MECHANISMSRequiredS0500032018MACHINE ELEMENTS IIRequiredS0500032018MACHINE ELEMENTS IIRequiredS0500032018MACHINE ELEMENTS IIRequiredS050032018MACHINE ELEMENTS IIRequiredS050032018STEAM BOILERSElectiveS050032018STEAM BOILERSElectiveS050032019STEAM BOILERSElectiveS050032018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredS050032019STEAM BOILERSRequiredS05003202019MEASUREMENTS TECHNIQUESRequiredS05003202019CUMBOSTIONS ENGINESElectiveS05003202018	2,50		DC
505002012018MATERIAL SCIENCE IRequired505002092018MATHEMATICS IIIRequired505002242018MACHINE ELEMENTS IRequired50500222018FLUID MECHANICSRequired50500222018FLUID MECHANICSRequired50500222018STRENGTH OF MATERIALS IIRequired50500222018STRENGTH OF MATERIALS IIRequired5050022021018MATERIALS IIRequired50500212018Inspiring Sustainations From The BridgeElective50500212018MATERIALS IIRequired50500212018MATERIALS IIRequired50500212018MATERIALS IIRequired50500212018MATERIALS IIRequired50500212018INTERNSHIP IRequired50500327018THERMODYNAMICS IIRequired50500322018COMPUTER AIDED DESINGElective50500321018HEATING AND VENTILATIONElective50500321018MECHANISMSRequired50500321018HEAT TRANSFERRequired5050032019COMPUTER AIDED ENGINEERING MATHEMATICSElective5050032018HEAT AND MASS TRANSFERElective5050032019MACHINE ELEMENTS IIRequired5050032018STEAM BOILERSElective5050032019COMPUTER AIDED ENGINEERINGRequired5050032018STEAM BOILERSElective5050032019MESUREMINTS TECHNIQUESRequired5050032019MESUREMINTS TECHNIQUESRequired5050032019CMAUNES OF PRODUCTIONS ENGINEE	3		BA
505002092018MATHEMATICS IIIRequiredSemester IVS0500222018MACHINE ELEMENTS IRequired50500222018FLUID MECHANICSRequired50500222018FLUID MECHANICS IRequired505002282018THERMODYNAMICS IRequired505002262018STRENGTH OF MATERIALS IIRequired505002262018Inspiring Sustainations From The BridgeElective50500202018Inspiring Sustainations From The BridgeElective50500202018INTERNSHIP IRequired50500222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500322018COMPUTER AIDED. DESINGElective50500322018COMPUTER AIDED. DESINGElective50500332018HEATING AND VENTILATIONElective50500321018HEATING AND VENTILATIONElective50500322018MACHINE ELEMENTS IIRequired50500322018MACHINE ELEMENTS IIRequired50500322018MACHINE ELEMENTS IIRequired50500322018STEAM BOILERSElective50500322019SYSTEM DVIAMICS AND CONTROLRequired50500322019SYSTEM DVIAMICS AND CONTROLRequired50500322019DYIAMICS OF MACDUCTIONS ENGINEERINGRequired50500322019DYIAMICS OF MACDUCTIONS ENGINEERINGRequired50500322019MEASUREMENTS TECHNIQUESElective50500322018DYIAMICS OF MACDUCTIONS ENGINEERINGRequired50500322019DYIAMICS OF MACHINERYRequired50500422018 <td>2</td> <td>2 3</td> <td>AA</td>	2	2 3	AA
505002092018MATHEMATICS IIIRequiredSemester IVS0500222018MACHINE ELEMENTS IRequired50500222018FLUID MECHANICSRequired50500222018FLUID MECHANICS IRequired505002282018THERMODYNAMICS IRequired505002262018STRENGTH OF MATERIALS IIRequired505002262018Inspiring Sustainations From The BridgeElective50500202018Inspiring Sustainations From The BridgeElective50500202018INTERNSHIP IRequired50500222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500322018COMPUTER AIDED. DESINGElective50500322018COMPUTER AIDED. DESINGElective50500332018HEATING AND VENTILATIONElective50500321018HEATING AND VENTILATIONElective50500322018MACHINE ELEMENTS IIRequired50500322018MACHINE ELEMENTS IIRequired50500322018MACHINE ELEMENTS IIRequired50500322018STEAM BOILERSElective50500322019SYSTEM DVIAMICS AND CONTROLRequired50500322019SYSTEM DVIAMICS AND CONTROLRequired50500322019DYIAMICS OF MACDUCTIONS ENGINEERINGRequired50500322019DYIAMICS OF MACDUCTIONS ENGINEERINGRequired50500322019MEASUREMENTS TECHNIQUESElective50500322018DYIAMICS OF MACDUCTIONS ENGINEERINGRequired50500322019DYIAMICS OF MACHINERYRequired50500422018 <td>3</td> <td>3 4</td> <td>CB</td>	3	3 4	CB
Semester IVNACHINE ELEMENTS IRequired1505:002224:018MACHINE ELEMENTS IRequired1505:002228:018THERMODYNAMICS IRequired1505:00228:018STRENGTH OF MATERIALS IIRequired1505:00226:018STRENGTH OF MATERIALS IIRequired1505:00226:018MATERIALS IIRequired1505:00226:018Inspiring Sustainations From The BridgeElective1505:002020:018INTERNSHIP IRequired1505:00227:018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required1505:00227:018COMPUTER AIDED DESINGElective1505:00227:018COMPUTER AIDED DESINGElective1505:002212018HEATING AND VENTILATIONElective1505:00321018HEATING AND VENTILATIONElective1505:003212018MACHINE ELEMENTS IIRequired1505:003212018HEAT TRANSFERElective1505:003212018HEAT TRANSFERElective1505:003282018STEAM BOILERSElective1505:003282018STEAM BOILERSElective1505:003242018STEAM BOILERSElective1505:003242019SYSTEM DYNAMICS AND CONTROLRequired1505:003242018DYNAMICS AND CONTROLRequired1505:003242018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective1505:00322018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective1505:00322019SYSTEM DYNAMICS OF MACHINERYRequired1505:003202018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective <t< td=""><td>4</td><td>l 5</td><td>BB</td></t<>	4	l 5	BB
550500224018MACHINE ELEMENTS IRequired505500222018FLUID MECHANICSRequired505500228018THERMODYNAMICS IRequired50500226018STRENGTH OF MATERIALS IIRequired50500226018STRENGTH OF MATERIALS IIRequired5050022019Inspiring Sustainations From The BridgeElective5050022018INTERNSHIP IRequired50500222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500222018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required50500325018COMPUTER AIDED DESINGElective50500325018COMPUTER AIDED DESINGElective50500322018COMPUTER AIDED DESINGElective50500322018MECHANISMSRequired50500322018MECHANISMSRequired50500322019COMPUTER AIDED ENGINEERING MATHEMATICSElective50500322018HEAT TRANSFERRequired50500332018MACHINE ELEMENTS IIRequired50500332018HEAT AND MASS TRANSFERElective505003202019SYSTEM DYNAMICS AND CONTROLRequired505003202019SYSTEM DYNAMICS AND CONTROLRequired505003202018PINCIPLES OF PRODUCTIONS ENGINEERINGRequired505003202019MEASUREMENTS TECHNIQUESElective505003202018DYNAMICS OF MACHINERYRequired505003202018DYNAMICS OF MACHINERYRequired50500432018COCUPATIONAL HEALTH AND SAFETYElective50500432018COCUPATIONAL HEALTH AND SAFETY <td< td=""><td></td><td></td><td></td></td<>			
50500222018FLUID MECHANICSRequired50500222018THERMODYNAMICS IRequired505002262018STRENGTH OF MATERIALS IIRequired505002202018MATERIALS IIRequired50500212018MATERIALS IIRequired50500212018Inspiring Sustainations From The BridgeElective50500212018INTERNSHIP IRequired50500212018INTERNSHIP IRequired50500212018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required505003272018COMPUTER AIDED, DESINGElective50500332018HEATING AND VENTILATIONElective50500321018HECHANISMSRequired50500321018HECHANISMSRequired50500321018HECHANISMSRequired50500321018HEATING AND VENTILATIONElective50500321018HEATING AND VENTILATIONRequired50500321018HEAT TRANSFERRequired50500321018HEAT AND MASS TRANSFERElective50500322018STEAM BOILERSElective50500322019SYSTEM DYNAMICS AND CONTROLRequired505003202019MEASUREMENTS TECHNIQUESRequired505003202019MEASUREMENTS TECHNIQUESRequired505003202019MEASUREMENTS TECHNIQUESRequired505003202019MEASUREMENTS TECHNIQUESRequired505003202019MEASUREMENTS ECHNIQUESRequired505003202018DYNAMICS OF PRODUCTIONS ENGINEERINGRequired505003202019MEASUREMENTS ECHNIQUESElective <td>4</td> <td>4 4</td> <td>DD</td>	4	4 4	DD
IS05002282018THERMODYNAMICS IRequiredIS05002282018STRENGTH OF MATERIALS IIRequiredIS0500224018MATERIALS IIRequiredIS0500224018Inspiring Sustainations From The BridgeElectiveIS0500212018MATERIAL IVRequiredIS0500262018INTERNSHIP IRequiredIS05003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredIS05003252018COMPUTER AIDED. DESINGElectiveIS05003252018COMPUTER AIDED DESINGRequiredIS05003252018HEATING AND VENTILATIONElectiveIS0500332018HEATING AND VENTILATIONElectiveIS0500332018MCHANISMSRequiredIS0500332018MECHANISMSRequiredIS0500332018MECHANISMSRequiredIS0500332018MACHINE ELEMENTS IIRequiredIS0500332018MACHINE ELEMENTS IIRequiredIS0500342019SYSTEM DUNAMICS AND CONTROLRequiredIS0500342019SYSTEM DUNAMICS AND CONTROLRequiredIS050032018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredIS050032018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredIS050032018DYNAMICS AND CONTROLRequiredIS050032018DYNAMICS AND CONTROLRequiredIS050032018DYNAMICS AND CONTROLRequiredIS050032018DYNAMICS AND CONTROLRequiredIS050032018DYNAMICS AND CONTROLRequiredIS050032018DYNAMICS OF MACHINERYRequiredIS050032018	4		DC
JS05002262018STRENGTH OF MATERIALS IIRequiredJS05002042018MATERIALS IIRequiredJS05002042018Inspiring Sustainations From The BridgeElectiveJS0500212018MATHEMATICAL IVRequiredS05002062018INTERNSHIP IRequiredSemester VElectiveS05003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredS05003272018COMPUTER AIDED. DESINGElectiveJS05003372018THERMODYNAMICS IIRequiredS0500332018HEATING AND VENTILATIONElectiveJS05003212018COMPUTER AIDED ENGINEERING MATHEMATICSElectiveJS05003212018MECHANISMSRequiredS05003212018HEAT TRANSFERRequiredJS05003212018HEAT TRANSFERRequiredJS0500322018MACHINE ELEMENTS IIRequiredJS0500328018HEAT AND MASS TRANSFERElectiveJS0500328018STEAM BOILERSElectiveJS05003242018STEAM BOILERS AND CONTROLRequiredJS0500322019SYSTEM DYNAMICS AND CONTROLRequiredJS0500322018DYNAMICS OF MACHINERYRequiredJS0500322019MEASUREMENTS TECHNIQUESRequiredJS0500322018DYNAMICS OF MACHINERYRequiredJS0500322018DYNAMICS OF MACHINERYRequiredJS0500322018DYNAMICS OF MACHINERYRequiredJS0500322018DYNAMICS OF MACHINERYElectiveJS0500322018DYNAMICS OF MACHINERYElectiveJS0500322018DYNAMICS OF MACHINERY </td <td></td> <td></td> <td></td>			
IS05002042018MATERIALS IIRequiredInspiring Sustainations From The BridgeElectiveInspiring Sustainations From The BridgeElectiveIS05002122018MATHEMATICAL IVRequiredResourcedINTERNSHIP IRequiredSemester VVVSupport R AIDED SYSTEM MODELING (ELECTIVE)RequiredSciencester VElectiveElectiveSto5003272018COMPUTER AIDED. DESINGElectiveSto5003252018COMPUTER AIDED. DESINGElectiveSto5003352018HEATING AND VENTILATIONElectiveSto500322018MECHANISMSRequiredSto50032018MECHANISMSRequiredSto5003212018HEAT TRANSFERRequiredSto5003212018HEAT TRANSFERElectiveSto5003212018HEAT AND MASS TRANSFERElectiveSto5003282018STEAM BOILERSElectiveSto500322019SYSTEM DYNAMICS AND CONTROLRequiredSto500322019MENCIPLES OF PRODUCTIONS ENGINEERINGRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500322019MEASUREMENTS TECHNIQUESRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500322018DYNAMICS OF MACHINERYRequiredSto500432018COUPATIONAL HE	4		AA
SDN400122018Inspiring Sustainations From The BridgeElective505002122018MATHEMATICAL IVRequired505002122018INTERNSHIP IRequiredSemester VSemester VSemester V505003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required505003272018COMPUTER AIDED, DESINGElective505003327018THERMODYNAMICS IIRequired50500332018HEATING AND VENTILATIONElective50500332018MECHANISMSRequired50500332018MECHANISMSRequired50500332018MECHANISMSRequired50500332018MECHANISMSRequired50500332018MECHANISMSRequired50500332018MECHANISMSRequired50500332018MACHINE ELEMENTS IIRequired50500322018STEAM BOILERSElective50500342019SYSTEM DYNAMICS AND CONTROLRequired50500342019SYSTEM DYNAMICS AND CONTROLRequired505003202019MEAVIREMENTS TECHNIQUESRequired505003202019MEAVIREMENT STECHNIQUESRequired505003202019MEAVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective50500342019CUMBOSTIONS ENGINESElective50500342019CUMBOSTIONS ENGINESElective50500342019CUMBOSTIONS ENGINESElective50500342019CUMBOSTIONS ENGINESElective50500342019CUMBOSTIONS ENGINESElective50500342018MACHINE PROJECTRequired5050032	3		AA
505002122018MATHEMATICAL IVRequired505002122018INTERNSHIP IRequired5050032062018INTERNSHIP IRequired505003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required505003252018COMPUTER AIDED. DESINGElective505003252018COMPUTER AIDED. DESINGRequired505003252018HEATING AND VENTILATIONElective5050032018MECHANISMSRequired50500321018MECHANISMSRequired50500312018MECHANISMSRequired50500312018MECHANISMSRequired50500312018MACHINE ELEMENTS IIRequired50500312018MACHINE ELEMENTS IIRequired5050032018STEAM BOLLERSElective50500342019SYETEM DYNAMICS AND CONTROLRequired5050032018NTERNSHIP IIRequired5050032019MEASUREMENTS TECHNIQUESRequired5050032019MEASUREMENTS TECHNIQUESRequired5050032018DYNAMICS OF PACDILENS AND FINANCIAL SOLUTIONSElective5050032018DYNAMICS OF MACDILNERYRequired5050032018DYNAMICS OF MACDILNERYRequired5050032018DYNAMICS OF MACDILNERYElective5050032018DYNAMICS OF MACDILNERYElective50500442019CUMBOSTIONS ENGINESElective50500442018COCUPATIONAL HEALTH AND SAFETYElective50500442018GOCUPATIONAL HEALTH AND SAFETYElective50500432018GOLOLATION TECHNIQUESElective <td>3</td> <td></td> <td>BA</td>	3		BA
IS05002062018INTERNSHIP IRequiredSemester VIS05003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredIS05003272018COMPUTER AIDED. DESINGElectiveIS05003272018THERMODYNAMICS IIRequiredIS0500325018HEATING AND VENTILATIONElectiveIS050032018MECHANISMSRequiredIS05003212018HEAT TRANSFERRequiredIS05003212018HEAT TRANSFERRequiredIS050032018MECHANISMSRequiredIS050032018HEAT TRANSFERRequiredIS050032018HEAT AND MASS TRANSFERElectiveIS050032018STEAM BOILERSElectiveIS05003202018STEAM BOILERSRequiredIS05003202018STEAM BOILERSRequiredIS0500322018SYSTEM DYNAMICS AND CONTROLRequiredIS05003242019SYSTEM DYNAMICS AND CONTROLRequiredIS0500322018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveIS0500322018DYNAMICS OF MACHINERYRequiredIS0500322018DYNAMICS OF MACHINERYRequiredIS0500342019CUMBOSTIONS ENGINESElectiveIS0500342019CUMBOSTIONS ENGINESElectiveIS0500342018ENGINEERING ECONOMICSElectiveIS05004432018COCUPATIONAL HEALTH AND SAFETYElectiveIS05004432018GOCUPATIONAL HEALTH AND SAFETYElectiveIS0500432018ISOLATION TECHNIQUESElectiveIS0500432018GOLITON ECHNIQUESElective <t< td=""><td>2</td><td></td><td>BA</td></t<>	2		BA
Semester VNotesting505003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)Required505003272018COMPUTER AIDED. DESINGElective50500332018THERMODYNAMICS IIRequired50500332018HEATING AND VENTILATIONElective50500332018MECHANISMSRequired505003212018HEATTRANSFERRequired505003212018HEAT TRANSFERRequired505003212018HEAT TRANSFERRequired505003212018HEAT AND MASS TRANSFERElective505003212018HEAT AND MASS TRANSFERElective505003282018STEAM BOILERSElective50500342019SYSTEM DYNAMICS AND CONTROLRequired50500342019SYSTEM DYNAMICS AND CONTROLRequired50500322019MEXURENTS TECHNIQUESRequired50500322018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective50500322018DYNAMICS OF MACHINERYRequired50500322019MENDERTING ECONOMICSElective50500342019CUMBOSTIONS ENGINESElective50500342019CUMBOSTIONS ENGINESElective50500342018ENGINEERING ECONOMICSElective50500342018ISOLATION TECHNIQUESRequired50500342018ISOLATION TECHNIQUESRequired50500342018COCUPATIONAL HEALTH AND SAFETYElective50500342018MACHINE PROJECTRequired50500421018MACHINE PROJECTRequired50500422018COOLING TECHNIQUESElective	3	3 3	CC
ISD5003272018COMPUTER AIDED SYSTEM MODELING (ELECTIVE)RequiredISD5003252018COMPUTER AIDED. DESINGElectiveISD5003252018THERMODYNAMICS IIRequiredISD5003325018HEATING AND VENTILATIONElectiveISD500332018MECHANISMSRequiredISD500332018MECHANISMSRequiredISD500302019COMPUTER AIDED ENGINEERING MATHEMATICSElectiveISD500312018HEAT TRANSFERRequiredISD500312018MACHINE ELEMENTS IIRequiredISD500312018MACHINE ELEMENTS IIRequiredISD500328018STEAM BOILERSElectiveISD5003382018STEAM BOILERSElectiveISD500342019SYSTEM DYNAMICS AND CONTROLRequiredISD500322019MEASUREMENTS TECHNIQUESRequiredISD500322019MEASUREMENTS TECHNIQUESRequiredISD50032018DYNAMICS OF PACDIUCTIONS ENGINEERINGRequiredISD50032018DYNAMICS OF MACHINERYRequiredISD50032018DYNAMICS OF MACHINERYElectiveISD50032018DYNAMICS OF MACHINERYRequiredISD50032018DYNAMICS OF MACHINERYElectiveISD500342019CUMBOSTIONS ENGINESElectiveISD500342019CUMBOSTIONS ENGINESElectiveISD500442018OCCUPATIONAL HEALTH AND SAFETYElectiveISD5004472018MACHINE PROJECTRequiredISD500432018ISOLATION TECHNIQUESElectiveISD5004232018COOLING TECHNIQUESElectiveISD5004232018 <t< td=""><td>0</td><td>) 4</td><td>YT</td></t<>	0	) 4	YT
JS05003252018COMPUTER AIDED. DESINGElectiveJS05003372018THERMODYNAMICS IIRequiredJS05003372018HEATING AND VENTILATIONElectiveJS0500332018MECHANISMSRequiredJS0500321018MECHANISMSRequiredJS0500321018HEATI TRANSFERRequiredJS0500321018HEAT TRANSFERRequiredJS0500321018MACHINE ELEMENTS IIRequiredS05003282018STEAM BOILERSElectiveJS05003282018STEAM BOILERSElectiveJS05003282018STEAM BOILERSElectiveJS05003282018STEAM BOILERSElectiveJS05003242019SYSTEM DYNAMICS AND CONTROLRequiredJS05003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredJS05003242019MEXAURENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveJS05003202018DYNAMICS OF MACHINERYRequiredJS0500342019CUMBOSTIONS ENGINESElectiveJS0500342019CUMBOSTIONS ENGINESElectiveJS05004432018OCCUPATIONAL HEALTH AND SAFETYElectiveJS05004432018MACHINE PROJECTRequiredJS05004432018ISOLATION TECHNIQUESElectiveJS05004232018ISOLATION TECHNIQUESElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS			
JS05003252018COMPUTER AIDED. DESINGElectiveJS05003372018THERMODYNAMICS IIRequiredJS05003372018HEATING AND VENTILATIONElectiveJS0500332018MECHANISMSRequiredJS0500321018MECHANISMSRequiredJS0500321018HEATI TRANSFERRequiredJS0500321018HEAT TRANSFERRequiredJS0500321018MACHINE ELEMENTS IIRequiredS05003282018STEAM BOILERSElectiveJS05003282018STEAM BOILERSElectiveJS05003282018STEAM BOILERSElectiveJS05003282018STEAM BOILERSElectiveJS05003242019SYSTEM DYNAMICS AND CONTROLRequiredJS05003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredJS05003242019MEXAURENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveJS05003202018DYNAMICS OF MACHINERYRequiredJS0500342019CUMBOSTIONS ENGINESElectiveJS0500342019CUMBOSTIONS ENGINESElectiveJS05004432018OCCUPATIONAL HEALTH AND SAFETYElectiveJS05004432018MACHINE PROJECTRequiredJS05004432018ISOLATION TECHNIQUESElectiveJS05004232018ISOLATION TECHNIQUESElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS0500432018MACHINE DESINGElectiveJS	3	3 3	BB
1505003372018THERMODYNAMICS IIRequired1505003352018HEATING AND VENTILATIONElective150500332018MECHANISMSRequired15050032019COMPUTER AIDED ENGINEERING MATHEMATICSElective1505003212018HEAT TRANSFERRequired1505003212018HEAT TRANSFERRequired15050032018MACHINE ELEMENTS IIRequired15050032018HEAT AND MASS TRANSFERElective1505003282018STEAM BOILERSElective1505003282018STEAM BOILERSElective1505003242018INTERNSHIP IIRequired1505003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired150500322019MESUREMENTS TECHNIQUESRequired150500322018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective150500342018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective150500342019CUMBOSTIONS ENGINESElective150500342018ENGINEERING ECONOMICSElective150500472018MACHINE PROJECTRequired150500472018MACHINE PROJECTRequired150500423018ISOLATION TECHNIQUESElective150500423018COLINATION ECHNIQUESElective150500423018COLINATION ECHNIQUESElective150500423018COLINATION ECHNIQUESElective150500423018COLINATION ECHNIQUESElective150500423018COLINATION ECHNIQUESElective150500423018COLINATION ECHNIQUESElective150500423018 </td <td>3</td> <td></td> <td>AA</td>	3		AA
Is05003352018HEATING AND VENTILATIONElectiveIs0500332018MECHANISMSRequiredIs050032019COMPUTER AIDED ENGINEERING MATHEMATICSElectiveIs0500321018HEAT TRANSFERRequiredIs0500321018MACHINE ELEMENTS IIRequiredIs050032018HEAT AND MASS TRANSFERElectiveIs050032018STEAM BOILERSElectiveIs0500328018STEAM BOILERSElectiveIs0500324019SYSTEM DYNAMICS AND CONTROLRequiredIs0500322019MENDERNSTIP IIRequiredIs0500322019MENDURENTS TECHNIQUESRequiredIs0500322019MENURENTS TECHNIQUESRequiredIs050032018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveIs050032018DYNAMICS OF MACHINERYRequiredIs0500342019CUMBOSTIONS ENGINESElectiveIs0500342019CUMBOSTIONS ENGINESElectiveIs0500342018ENGINEERING ECONOMICSElectiveIs0500342018OCCUPATIONAL HEALTH AND SAFETYElectiveIs0500342018ISOLATION TECHNIQUESRequiredIs0500342018ISOLATION TECHNIQUESElectiveIs0500342018MACHINE PROJECTRequiredIs0500342018MACHINE PROJECTRequiredIs0500342018MACHINE POELENINGElectiveIs0500342018MACHINE POELENINGElectiveIs0500423018COOLING TECHNIQUESElectiveIs0500423018COOLING TECHNIQUESElectiveIs0500423018COOLING TECHNIQUESE	4		DC
MECHANISMSRequiredJSDNS00092019COMPUTER AIDED ENGINEERING MATHEMATICSElectiveJSDNS00092019COMPUTER AIDED ENGINEERING MATHEMATICSElectiveJSDNS00092019HEAT TRANSFERRequiredSemester VIElectiveJSD05003382018HEAT AND MASS TRANSFERElectiveJSD05003242018STEAM BOILERSElectiveJSD5003242018INTERNSHIP IIRequiredJSD5003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredJSD5003242019SYSTEM DYNAMICS AND CONTROLRequiredJSD5003242019ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveJSDN600152018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveJSD5003202019CUMBOSTIONS ENGINESElectiveJSD500342019CUMBOSTIONS ENGINESElectiveJSD5004432018ENGINEERING ECONOMICSElectiveJSD5004432018COCUPATIONAL HEALTH AND SAFETYElectiveJSD5004432018MACHINE PROJECTRequiredJSD500432018MACHINE PROJECTRequiredJSD500432018MACHINE DESINGElectiveJSD500432018MACHINE DESINGElectiveJSD5004232018MACHINE DESINGElectiveJSD5004232018COOLING TECHNIQUESElectiveJSD5004232018COOLING TECHNIQUESElectiveJSD5004232018COOLING TECHNIQUESElectiveJSD5004232018COOLING TECHNIQUESElectiveJSD5004232018COOLING TECHNIQUESElectiveJSD5004232018 <t< td=""><td>4</td><td></td><td>CC</td></t<>	4		CC
DSDN500092019COMPUTER AIDED ENGINEERING MATHEMATICSElectiveDSDN500092019HEAT TRANSFERRequiredDS05003212018HEAT TRANSFERRequiredSemester VIVVDS05003282018HEAT AND MASS TRANSFERElectiveDS05003282018STEAM BOILERSElectiveDS05003282018STEAM BOILERSElectiveDS05003282018STEAM BOILERSElectiveDS05003242019SYSTEM DYNAMICS AND CONTROLRequiredDS05003242019SYSTEM DYNAMICS AND CONTROLRequiredDS05003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredDS0500322019MEASUREMENTS TECHNIQUESRequiredDS05003202018DYNAMICS OF MACHINERYRequiredDS0500342019CUMBOSTIONS ENGINESElectiveDS0500432018ENGINEERING ECONOMICSElectiveDS05004432018COCUPATIONAL HEALTH AND SAFETYElectiveDS05004432018ISOLATION TECHNIQUESElectiveDS0500432018ISOLATION TECHNIQUESElectiveDS0500432018ISOLATION TECHNIQUESElectiveDS0500432018ISOLATION TECHNIQUESElectiveDS0500432018ISOLATION TECHNIQUESElectiveDS0500432018COOLING TECHNIQUESElectiveDS0500423018COOLING TECHNIQUESElectiveDS0500423018COOLING TECHNIQUESElectiveDS0500423018COOLING TECHNIQUESElectiveDS0500423018COOLING TECHNIQUESElectiveDS0500423018COOLING TECHNIQUES			
Iso50003212018HEAT TRANSFERRequiredIso500031202018MACHINE ELEMENTS IIRequiredIso500031202018HEAT AND MASS TRANSFERElectiveIso50003282018STEAM BOILERSElectiveIso50003282018STEAM BOILERSElectiveIso50003242018INTERNSHIP IIRequiredIso50003242019SYSTEM DYNAMICS AND CONTROLRequiredIso50003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredIso50003202019MEASUREMENTS TECHNIQUESRequiredIso50003202018DYNAMICS OF MACHINERYRequiredIso5000302019CUMBOSTIONS ENGINESElectiveIso500042019CUMBOSTIONS ENGINESElectiveIso500042019CUMBOSTIONS ENGINESElectiveIso5000432018ENGINEERING ECONOMICSElectiveIso50004432018COCUPATIONAL HEALTH AND SAFETYElectiveIso50004472018MACHINE PROJECTRequiredIso500042302018ISOLATION TECHNIQUESElectiveIso500042302018MACHINE PROJECTRequiredIso500042302018MACHINE DESINGElectiveIso500042302018MACHINE DESINGElectiveIso500042302018COOLING TECHNIQUESElectiveIso500042302018COOLING TECHNIQUESElectiveIso500042302018COOLING TECHNIQUESElectiveIso500042302018COOLING TECHNIQUESElectiveIso500042302018COOLING TECHNIQUESElectiveIso500042302018COOLING TECHNIQUESElectiveIso500042302018<	3		CB
J505003192018MACHINE ELEMENTS IIRequiredSemester VIJ505003382018HEAT AND MASS TRANSFERElectiveJ505003382018STEAM BOILERSElectiveJ505003382018STEAM BOILERSElectiveJ50500342019SYSTEM DYNAMICS AND CONTROLRequiredJ50500322019PRINCIPLES OF PRODUCTIONS ENGINEERINGRequiredJ50500322019MEASUREMENTS TECHNIQUESRequiredJ505003022019MEASUREMENTS TECHNIQUESRequiredJ505003022018DYNAMICS OF MACHINERYRequiredJ505003022018DYNAMICS OF MACHINERYRequiredJ50500302018DYNAMICS OF MACHINERYRequiredJ505003042019CUMBOSTIONS ENGINESElectiveJ505003042019CUMBOSTIONS ENGINESElectiveJ505004432018OCCUPATIONAL HEALTH AND SAFETYElectiveJ505004472018MACHINE PROJECTRequiredJ50500412018ISOLATION TECHNIQUESElectiveJ50500423018COOLING TECHNIQUESElectiveJ50500423018COOLING TECHNIQUESElective	2		CC
Semester VI         Elective           15055003382018         HEAT AND MASS TRANSFER         Elective           15055003282018         STEAM BOILERS         Elective           1505500342018         INTERNSHIP II         Required           1505500342019         SYSTEM DYNAMICS AND CONTROL         Required           1505500342019         SYSTEM DYNAMICS AND CONTROL         Required           15055003242018         PRINCIPLES OF PRODUCTIONS ENGINEERING         Required           15055003202019         MEASUREMENTS TECHNIQUES         Required           15055003202018         DYNAMICS OF MACHINERY         Required           15055003202018         DYNAMICS OF MACHINERY         Required           1505500432019         CUMBOSTIONS ENGINES         Elective           Semester VII         Stopponter         Elective           1505004432018         ENGINEERING ECONOMICS         Elective           1505004432018         OCCUPATIONAL HEALTH AND SAFETY         Elective           1505004432018         ISOLATION TECHNIQUES         Elective           150500412018         MACHINE PROJECT         Required           150500412018         MACHINE DESING         Elective           150500412018         MACHINE DESING         Elective           15	4		CB
505003382018HEAT AND MASS TRANSFERElective505003282018STEAM BOILERSElective505003282018INTERNSHIP IIRequired50500342019SYSTEM DVNAMICS AND CONTROLRequired505003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired505003022019MEASUREMENTS TECHNIQUESRequired505003202018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective50500302018DYNAMICS OF MACHINERYRequired50500302019CUMBOSTIONS ENGINESElective50500342019CUMBOSTIONS ENGINESElective50500432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004432018ISOLATION TECHNIQUESElective50500432018ISOLATION TECHNIQUESElective50500432018MACHINE PROJECTRequired50500412018MACHINE DESINGElective50500423018COOLING TECHNIQUESElective50500423018COOLING TECHNIQUESElective50500423018COOLING TECHNIQUESElective50500423018COOLING TECHNIQUESElective50500423018COOLING TECHNIQUESElective	4	5	CB
505003282018STEAM BOILERSElective50500342018INTERNSHIP IIRequired505003402019SYSTEM DYNAMICS AND CONTROLRequired505003402019SYSTEM DYNAMICS AND CONTROLRequired50500322019PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired50500322019MEASUREMENTS TECHNIQUESRequired505003202018DYNAMICS OF MACHINERYRequired505003202018DYNAMICS OF MACHINERYRequired505003202018DYNAMICS OF MACHINERYRequired5050042019CUMBOSTIONS ENGINESElective50500432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004472018MACHINE PROJECTRequired50500432018ISOLATION TECHNIQUESElective505004232018COOLING TECHNIQUESElective505004232018COOLING TECHNIQUESElective			
505003282018STEAM BOILERSElective505003282018INTERNSHIP IIRequired50500342019SYSTEM DYNAMICS AND CONTROLRequired50500342019PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired50500322019MEASUREMENTS TECHNIQUESRequired50500322018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective505003202018DYNAMICS OF MACHINERYRequired505003202018DYNAMICS OF MACHINERYRequired505003202018DYNAMICS OF MACHINERYRequired5050042019CUMBOSTIONS ENGINESElective5050042018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004472018MACHINE PROJECTRequired50500432018ISOLATION TECHNIQUESElective505004232018MACHINE DESINGElective505004232018COOLING TECHNIQUESElective505004232018COOLING TECHNIQUESElective	3	3	CC
505003442018INTERNSHIP IIRequired505003442019SYSTEM DYNAMICS AND CONTROLRequired50500342019SYSTEM DYNAMICS AND CONTROLRequired505003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired50500320209MEASUREMENTS TECHNIQUESRequired505003202018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective505003202018DYNAMICS OF MACHINERYRequired50500342019CUMBOSTIONS ENGINESElective50500432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004472018MACHINE PROJECTRequired50500472018ISOLATION TECHNIQUESElective505004232018COOLING TECHNIQUESElective505004232018COOLING TECHNIQUESElective	3		BB
505003402019SYSTEM DYNAMICS AND CONTROLRequired505003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired5050032242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired505003022019MEASUREMENTS TECHNIQUESRequired505003202018DYNAMICS OF MACHINERYRequired505003202018DYNAMICS OF MACHINERYRequired50500432019CUMBOSTIONS ENGINESElective50500432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004472018MACHINE PROJECTRequired50500432018ISOLATION TECHNIQUESElective505004232018COOLING TECHNIQUESElective	0		YT
505003242018PRINCIPLES OF PRODUCTIONS ENGINEERINGRequired50500322019MEASUREMENTS TECHNIQUESRequired505003022018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective505003202018DYNAMICS OF MACHINERYRequired505003202019CUMBOSTIONS ENGINESElectiveSemester VII505004432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004432018ISOLATION TECHNIQUESElective50500432018ISOLATION TECHNIQUESElective50500432018GOLING TECHNIQUESElective50500432018COOLING TECHNIQUESElective505004232018COOLING TECHNIQUESElective505004232018COOLING TECHNIQUESElective	3		CC
Iso5003022019MEASUREMENTS TECHNIQUESRequiredIso5No0152018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElectiveIso500302018DYNAMICS OF MACHINERYRequiredIso5003042019CUMBOSTIONS ENGINESElectiveSemester VIIEElectiveIso5004432018ENGINEERING ECONOMICSElectiveIso5004432018CCUPATIONAL HEALTH AND SAFETYElectiveIso5004472018MACHINE PROJECTRequiredIso5004432018ISOLATION TECHNIQUESElectiveIso500442018MACHINE DESINGElectiveIso50004232018COOLING TECHNIQUESElective	4		CC
DSDN600152018ENVIRONMENTAL PROBLEMS AND FINANCIAL SOLUTIONSElective(505003202018DYNAMICS OF MACHINERYRequired(50500342019CUMBOSTIONS ENGINESElective(505004432018ENGINEERING ECONOMICSElective(505004432018OCCUPATIONAL HEALTH AND SAFETYElective(505004472018MACHINE PROJECTRequired(505004472018ISOLATION TECHNIQUESElective(50500412018MACHINE DESINGElective(505004232018COOLING TECHNIQUESElective			
505003202018     DYNAMICS OF MACHINERY     Required       505003202019     CUMBOSTIONS ENGINES     Elective       Semester VII     50500432018     ENGINEERING ECONOMICS     Elective       505004432018     OCCUPATIONAL HEALTH AND SAFETY     Elective       505004472018     MACHINE PROJECT     Required       505004432018     ISOLATION TECHNIQUES     Elective       505004232018     MACHINE DESING     Elective       505004232018     MACHINE DESING     Elective       505004232018     COOLING TECHNIQUES     Elective	2,50		DC
505003042019     CUMBOSTIONS ENGINES     Elective       Semester VII     Elective       50500432018     ENGINEERING ECONOMICS     Elective       505004432018     OCCUPATIONAL HEALTH AND SAFETY     Elective       505004472018     MACHINE PROJECT     Required       505004332018     ISOLATION TECHNIQUES     Elective       505004232018     MACHINE DESING     Elective       505004232018     COOLING TECHNIQUES     Elective	2		AA
Semester VII         ENGINEERING ECONOMICS         Elective           505004432018         ENGINEERING ECONOMICS         Elective           505004452018         OCCUPATIONAL HEALTH AND SAFETY         Elective           505004472018         MACHINE PROJECT         Required           50500432018         ISOLATION TECHNIQUES         Elective           50500412018         MACHINE DESING         Elective           505004232018         COOLING TECHNIQUES         Elective	4	4 4	DD
505004432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004472018MACHINE PROJECTRequired50500432018ISOLATION TECHNIQUESElective50500412018MACHINE DESINGElective505004232018COOLING TECHNIQUESElective	3	3	BA
505004432018ENGINEERING ECONOMICSElective505004432018OCCUPATIONAL HEALTH AND SAFETYElective505004472018MACHINE PROJECTRequired50500432018ISOLATION TECHNIQUESElective50500412018MACHINE DESINGElective505004232018COOLING TECHNIQUESElective			
505004452018     OCCUPATIONAL HEALTH AND SAFETY     Elective       505004472018     MACHINE PROJECT     Required       505004332018     ISOLATION TECHNIQUES     Elective       50500412018     MACHINE DESING     Elective       505004232018     COOLING TECHNIQUES     Elective	3	4	DD
505004472018         MACHINE PROJECT         Required           505004332018         ISOLATION TECHNIQUES         Elective           50500412018         MACHINE DESING         Elective           505004232018         COOLING TECHNIQUES         Elective	3		CB
505004332018ISOLATION TECHNIQUESElective505004012018MACHINE DESINGElective505004232018COOLING TECHNIQUESElective	1		AA
J505004012018         MACHINE DESING         Elective           J505004232018         COOLING TECHNIQUES         Elective			
505004232018 COOLING TECHNIQUES Elective	3		CC
	3		CC
1505004252018 HEAT EXCHANGERS Elective	3		BB
	3	3 4	DD
Semester VIII			
505004522018 APPLIED ENGINEERING EDUCATION Elective	2	2 30	BB

# 4.4. Grading system and (if available) grade distribution table:

For each course taken, the student is given one of the following grades by the course teacher. The letter grades, grade points and percentage equivalents are given below:

GRADE POINTS	EVALUATION	COEFFICIENT	PERCENTAGE
AA	Excellent	4.0	90-100
BA	Very Good	3.5	85-89
BB	Good	3.0	80-84
CB	Satisfactory	2.5	75-79
CC	Sufficient	2.0	70-74
DC	Con. Successful	1.5	65-69
DD	Con. Successful	1.0	60-64
FD	Fail	0.5	50-59
FF	Fail	0.0	0-49
YT	Satisfactory	-	-
MU	Exempt	-	-

YT : Satisfactory, but not included in CGPA. MU: Is given for the qualification obtained formal and/or informal education before the attendance of the program.

# 4.5. Overall classification of the qualification:

Final Grade of Degree: Başarılı (Satisfactory) Cumulative Grade Point Average (CGPA): 2.65 out of 4.00

The CGPA is calculated by taking into account all the courses taken by a student from first semester to the last semester and courses recognised as valid by the department in which she/he is registered. Criterion for degree classification is:

-Yüksek Onur (High Honour)	: 3.50 - 4.00
-Onur (Honour)	: 3.00 - 3.49
-Başarılı (Satisfactory)	: 2.00 - 2.99

# **5 - INFORMATION ON THE FUNCTION OF THE QUALIFICATION**

### 5.1. Access to further study:

Upon successful completion of this programme, students may apply to second cycle degree or directly to integrated third cycle (doctorate) programmes.

5.2. Professional status (if applicable):

This degree enables the holder to exercise the profession. This degree enables the graduate to exercise his/her profession in or a related field of the study.

# 6 - ADDITIONAL INFORMATION

6.1. Additional information:

6.2. Further information sources: University web site University's ECTS Course Catalogue YÖK/CoHE website YÖKAK/THEQC website The Turkish ENIC-NARIC website TYÇ/TQF website: https TYYÇ/TQF-HE website

: www.usak.edu.tr : obs.usak.edu.tr/oibs/bologna/ : https://www.vok.gov.tr : https://yokak.gov.tr : https://denklik.yok.gov.tr/enic-naric-tr-tanima-ofisi : https://www.myk.gov.tr/index.php/en/turkiye-yeterlilikler-cercevesi : http://www.tyyc.yok.gov.tr

7.1	Date	

7.2 Name and Signature

7.3 Capacity

7.4 Official stamp or seal

# 8 - INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Structure and Degree System

The basic structure of the Turkish National Education System consists of stages of non-compulsory pre-school education; compulsory primary (elementary and middle school) and secondary (high school) education; and higher education. Primary education begins at the age of 5.5 (66 months), lasts eight years and comprises elementary and middle school education, four years each. Secondary education is also four years and divided into two categories as "General High School Education" and "Vocational and Technical High School Education". The entry into these categories is through composite scores obtained from a centralized exam for secondary schools.

: Head of Student Affair Office

Higher education system in Turkey is managed by the Council of Higher Education (CoHE, Yükseköğretim Kurulu-YÖK) which is an autonomous public body responsible for the planning, coordination, governance and supervision of higher education within the provisions set forth in the Constitution of the Turkish Republic and the Higher Education Law. Both state and non-profit foundation universities are founded by law and subjected to the Higher Education Law and to the regulations enacted in accordance with it.

Higher education in Turkey comprises all post-secondary higher education programmes, consisting of short, first, second, and third cycle degrees in terms of the terminology of the European Higher Education Area (EHEA). Undergraduate level of study consists of short cycle (associate's önlisans derecesi) and first cycle (bachelor's-lisans derecesi) degrees which are awarded after successful completion of full-time two-year (120 ECTS) and four-year (240 ECTS) study programmes, respectively. The structure of first and second cycles is separate except for dentistry, pharmacy, medicine and veterinary programmes which are one-tier systems (lisans ve yüksek lisans bütünleşik programları). The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The level of qualifications in these one-tier programmes is equivalent to that of second cycle including first cycle.

Graduate level of study consists of second cycle (master's-yüksek lisans derecesi) and third cycle (doctorate-doktora derecesi) degree programmes.

Second cycle degrees are divided into two sub-types named as master with thesis and master without thesis. The master programmes with thesis require 120 ECTS credits, which consist of courses, a seminar, and a thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semester project. These programmes do not give direct access to third-cycle doctoral studies; for access to third-cycle programmes candidates should fulfil the thesis and other requirements of master programmes with thesis. 60 ECTS non-thesis master programmes are exceptional and exist in a few disciplines. Third cycle (doctorate with master degree) degree programmes are completed having earned 240 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Third cycle (doctorate with bachelor degree) degree programmes are completed having earned 300 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Proficiency in art, specialisation in medicine and in dentistry are accepted as equivalent to third cycle programmes, the last two being carried out within the faculties of medicine and dentistry, university hospitals and the training hospitals operated by the Ministry of Health. Universities consist of graduate schools (Institutes) offering second cycle and third cycle degree programmes, faculties offering first cycle programmes, four-year professional higher education schools offering first cycle degree programmes and two-year vocational schools offering short cycle degree programmes.

Admission requirements: Admission of national students to short and first cycle degree programmes is centralised and based on a nationwide one/two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Centre-ÖSYM). Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages. Admission to graduate programmes is directly conducted by the higher education institutions (HEIs) within the frameworks of the publicly available national and institutional regulations. Admission of international students to programmes at all levels of higher education can be done by direct applications of candidates to HEIs based on publicly available national and institutional regulations.

Turkish National Qualifications Frameworks: The National Qualifications Framework for Higher Education in Turkey (TQF-HE, TYYÇ in Turkish) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. Later in 2015, the framework became a part of Turkish Qualifications Framework (TQF, TYC in Turkish) which was designed as a single framework in harmony with the European Qualifications Framework and displays all qualifications gained through vocational, general and academic programs including primary, secondary and higher education or other learning environments. The framework was referenced with the EQF in 2017.

TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

Turkish Quality Assurance System: The Higher Education Quality Council of Turkey (THEQC) was founded as an autonomous public legal entity in 2015, and since then it has been operating at the national level for evaluating the quality levels of higher education institutions' education and research activities and administrative services at institutional level in accordance with the national and international quality standards, and coordinating the processes of institutional accreditation, internal and external quality assurance as well as authorization of independent external evaluation and accreditation organizations. THEQC is a full member of ENQA (The European Association for Ouality Assurance in Higher Education) since April of 28, 2020.

QF, TQF-HE LEVELS, QUALIFICATIONS TYPES AND ECTS CREDITS				ITS	G	ENERAL STRUCTURE OF THE	TURKISH EDUCATION SYS	тем		
Higher Education Levels/Cycles		QUALIFICATIONS TYPES	LENGTH	TOTAL ECTS CREDITS	(Doktora)	Proficiency in Art (Sanatta Yeterlik)	Specialisation in Medicine (Tipta Uzmanlik)	Specialisation in Dentistriy (Diş Hekimliğinde		
QF- EHEA	EQF- LLL	TQF & TQF-HE	11120	(Year)	(Year x 60 ECTS)	1,2,3,4		4	β Uzmanlık)	
			Doctorate			<b>↑</b>			One tier,	
			Specialisation in Medicine				(1	Master's Degree with Thesis iksek Lisans Derecesi - Tezli) Master's Degree	long cycle Degre	es
3	8	8	Specialisation in Dentistriy	4	240		(Yüksek	without Thesis Lisans Derecesi - Tezsiz)	1 2 3	4
			Proficiency in Art			Associate's Degree (Önlisans Derecesi)	<b>&gt;</b>	Bachelor's Degree (Lisans Derecesi)	Veterinary Pharmacy Dentistry	Medicine
			Master's Degree with Thesis	2	120					
2	7	7	Master's Degree	1-1,5	60-90	Vocational & Techr High School Educati (4 years)		Hig	General h School Education (4 years)	
			without Thesis			<b>≜</b>	Primary B	ducation	<b>•</b>	
1	6	6	Bachelor's Degree	4	240	(E	Elementary School (4 years		)	
Short	5	5	Associate's	2	120	[	Pre-Schoo	Education		
Cycle	5		Degree	2	120	The numbers 1.2.3 and 4 inc	dicates the routes for one-tier long		t (upper) cycle qualifications	



# **Uşak University Diploma Supplement**

The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by European Commission, Council of Europe and UNESCO.

# 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIF

- 1.1. Last name(s)
- 1.2. First name(s)
- 1.3. Date of birth(dav/month/year) 1.4. Student identification number or code (if available)

2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of the qualification and title conferred (in original language): Eğitim Yönetimi, Teftişi, Planlaması ve Ekonomisi
- 2.2. Main field(s) of study for the qualification: Educational Administration Supervision Planning And Economy

2.3. Name and status of awarding institution: Uşak Üniversitesi, Devlet Üniversitesi Uşak University, State University

### 3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

### 3.1. Level of qualification:

Cycle (Master's) Degree without Thesis

3.2. Official duration of programme in credits and/or years:

1 or 1.5 years (60 or 90 ECTS), 2 or 3 Semesters, 16-18 weeks per semester

### 3.3. Access requirement(s):

First Cycle Degree diploma. Candidates gain access to the programmes based on their first cycle degree grade point averages.

### 4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

- 4.1. Mode of Study:
- Full-time

# 4.2. Programme learning outcomes:

The students must complete 2 years of study acquiring 120 ECTS credits. This degree is awarded to students who succesfully completed all courses in the curriculum, thesis and have a minimum CGPA of 2.50/4.00 and no failing grades.

### Key Learning Programme Outcomes :

- 1 Evaluating actual event and problems with a historical depth and a regional geographical approach
- 2 Conducting applied researches on the topics within the field of human and geography
- 3 Understanding and using the GIS techniques
- 4 Using basic information technologies, cartographic tools and statistics in the human geographical researches
- 5 Understanding the environmental problems and offering solutions

# Graduation Requirements\*:

University of Uşak Merkez/Usak-Turkey 64200 Phone:+90 276 221 21 21 Fax:+90 276 221 21 21 +90 276 221 22 07 +90 276 221 22 08 www.usak.edu.tr



Diploma No : xxxx Diploma Date : xx.xx.xxxx

2.4. Name and type of institution administering studies: Same as 2.3

2.5. Language(s) of instruction/examination: Turkish

6 - Understanding and analyzing the national and international dimensions of sustainability and development as major topics of geography

Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade
Semester I					
4001019292016	Introduction to Educational Administration Science	Elective	3	6	AA
4001019332016	Controversial Issues in Educational Administration	Elective	3	6	AA
4001019132016	Motivation in Educational Organizations	Elective	3	6	BA
4001019012016	Scientific Research Methods	Required	3	6	CB
4001019092016	Leadership in Educational Organizations	Elective	3	6	AA
Semester II					
4001019142016	Contemporary Approaches in Educational Administration	Elective	3	5	AA
4001019162016	Change Management	Elective	3	5	AA
4001019262016	Education Statistics	Elective	3	5	AA
4001019022016	Term project	Required	3	5	ΥT
4001019042016	Organizational Behavior	Elective	3	5	AA
4001019102016	Performance Management in Educational Organizations	Elective	3	5	AA

# 4.4. Grading system and (if available) grade distribution table:

For each course taken, the student is given one of the following grades by the course teacher. The letter grades, grade points and percentage equivalents are given below:

GRADE POINTS	EVALUATION	COEFFICIENT	PERCENTAGE
AA	Excellent	4.0	90-100
BA	Very Good	3.5	85-89
BB	Good	3.0	75-84
CB	Satisfactory	2.5	70-74
CC	Sufficient	2.0	60-69
DC	Fail	1.5	50-59
FF	Fail	0.0	0-49
YT	Satisfactory	-	-
MU	Exempt	-	-

YT : Satisfactory, but not included in CGPA.

MU: Is given for the qualification obtained formal and/or informal education before the attendance of the program.

# 4.5. Overall classification of the qualification:

Final Grade of Degree: Üstün Onur (High Honour) Cumulative Grade Point Average (CGPA): 3.78 out of 4.00

The CGPA is calculated by taking into account all the courses taken by a student from first semester to the last semester and courses recognised as valid by the department in which she/he is registered. Criterion for degree classification is:

-Yüksek Onur (High Honour)	: 3.50 - 4.00
-Onur (Honour)	: 3.00 - 3.49
-Başarılı (Satisfactory)	: 2.50 - 2.99

# **5 - INFORMATION ON THE FUNCTION OF THE QUALIFICATION**

### 5.1. Access to further study:

This qualification does not give direct access to third cycle degree programmes. Graduates may apply to third cycle degree programmes after fulfilling the requirements for Master's programme with thesis. 5.2. Professional status (if applicable):

This degree enables the holder to exercise the profession. This degree is a professionally oriented degree and enables the graduate to exercise his/her profession in or a related field of study.

### 6 - ADDITIONAL INFORMATION

6.1. Additional information:

6.2. Further information sources: University web site University's ECTS Course Catalogue YÖK/CoHE website YÖKAK/THEQC website The Turkish ENIC-NARIC website TYÇ/TQF website: https TYYÇ/TQF-HE website

: www.usak.edu.tr : obs.usak.edu.tr/oibs/bologna/ : https://www.yok.gov.tr : https://yokak.gov.tr : https://denklik.yok.gov.tr/enic-naric-tr-tanima-ofisi : https://www.myk.gov.tr/index.php/en/turkiye-yeterlilikler-cercevesi : http://www.tyyc.yok.gov.tr

7.1	Date	

7.2 Name and Signature

7.3 Capacity

7.4 Official stamp or seal

# 8 - INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Structure and Degree System

The basic structure of the Turkish National Education System consists of stages of non-compulsory pre-school education; compulsory primary (elementary and middle school) and secondary (high school) education; and higher education. Primary education begins at the age of 5.5 (66 months), lasts eight years and comprises elementary and middle school education, four years each. Secondary education is also four years and divided into two categories as "General High School Education" and "Vocational and Technical High School Education". The entry into these categories is through composite scores obtained from a centralized exam for secondary schools.

: Head of Student Affair Office

Higher education system in Turkey is managed by the Council of Higher Education (CoHE, Yükseköğretim Kurulu-YÖK) which is an autonomous public body responsible for the planning, coordination, governance and supervision of higher education within the provisions set forth in the Constitution of the Turkish Republic and the Higher Education Law. Both state and non-profit foundation universities are founded by law and subjected to the Higher Education Law and to the regulations enacted in accordance with it.

Higher education in Turkey comprises all post-secondary higher education programmes, consisting of short, first, second, and third cycle degrees in terms of the terminology of the European Higher Education Area (EHEA). Undergraduate level of study consists of short cycle (associate's önlisans derecesi) and first cycle (bachelor's-lisans derecesi) degrees which are awarded after successful completion of full-time two-year (120 ECTS) and four-year (240 ECTS) study programmes, respectively. The structure of first and second cycles is separate except for dentistry, pharmacy, medicine and veterinary programmes which are one-tier systems (lisans ve yüksek lisans bütünleşik programları). The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The level of qualifications in these one-tier programmes is equivalent to that of second cycle including first cycle.

Graduate level of study consists of second cycle (master's-yüksek lisans derecesi) and third cycle (doctorate-doktora derecesi) degree programmes.

Second cycle degrees are divided into two sub-types named as master with thesis and master without thesis. The master programmes with thesis require 120 ECTS credits, which consist of courses, a seminar, and a thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semester project. These programmes do not give direct access to third-cycle doctoral studies; for access to third-cycle programmes candidates should fulfil the thesis and other requirements of master programmes with thesis. 60 ECTS non-thesis master programmes are exceptional and exist in a few disciplines. Third cycle (doctorate with master degree) degree programmes are completed having earned 240 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Third cycle (doctorate with bachelor degree) degree programmes are completed having earned 300 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Proficiency in art, specialisation in medicine and in dentistry are accepted as equivalent to third cycle programmes, the last two being carried out within the faculties of medicine and dentistry, university hospitals and the training hospitals operated by the Ministry of Health. Universities consist of graduate schools (Institutes) offering second cycle and third cycle degree programmes, faculties offering first cycle programmes, four-year professional higher education schools offering first cycle degree programmes and two-year vocational schools offering short cycle degree programmes.

Admission requirements: Admission of national students to short and first cycle degree programmes is centralised and based on a nationwide one/two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Centre-ÖSYM). Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages. Admission to graduate programmes is directly conducted by the higher education institutions (HEIs) within the frameworks of the publicly available national and institutional regulations. Admission of international students to programmes at all levels of higher education can be done by direct applications of candidates to HEIs based on publicly available national and institutional regulations.

Turkish National Qualifications Frameworks: The National Qualifications Framework for Higher Education in Turkey (TQF-HE, TYYÇ in Turkish) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. Later in 2015, the framework became a part of Turkish Qualifications Framework (TQF, TYC in Turkish) which was designed as a single framework in harmony with the European Qualifications Framework and displays all qualifications gained through vocational, general and academic programs including primary, secondary and higher education or other learning environments. The framework was referenced with the EQF in 2017.

TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

Turkish Quality Assurance System: The Higher Education Quality Council of Turkey (THEQC) was founded as an autonomous public legal entity in 2015, and since then it has been operating at the national level for evaluating the quality levels of higher education institutions' education and research activities and administrative services at institutional level in accordance with the national and international quality standards, and coordinating the processes of institutional accreditation, internal and external quality assurance as well as authorization of independent external evaluation and accreditation organizations. THEQC is a full member of ENQA (The European Association for Quality Assurance in Higher Education) since April of 28, 2020.

QF, TQF	-HE LEVE	LS, QUALIFICAT	IONS TYPES AND E	CTS CRED	ITS	GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM
1	Higher Ed Levels/(		QUALIFICATIONS	LENGTH	TOTAL ECTS CREDITS	Doctorate (Doktora)         Proficiency in Art (Sanatta Yeterlik)         Specialisation in Medicine (Tipta Uzmanlık)         Specialisation in Dentistriy
QF- EHEA	EQF- LLL	TQF & TQF-HE	TIFES	(Year)	(Year x 60 ECTS)	1,2,3,4 (Tiple OZINALINK) (Dig Tokimigineo B Uzmanlik)
			Doctorate			Master's Degree
3	8	8	Specialisation in Medicine	4	240	with Thesis         Iong cycle Degrees           (Yüksek Lisans Derecesi - Tezli)         Mester's Degree         4
3	0	8	Specialisation in Dentistriy	4	240	without Theole (Yüksek Lisans Derecesi - Tezsiz)         1         2         3
			Proficiency in Art			Associativ's Degree (Onlisans Dereces)
			Master's Degree with Thesis	2	120	
2	7	7	Master's Degree	1-1,5	60-90	Vocational & Technical High School Education (4 years) Primary Education (Elementary School (4 years)) Widdle School (4 years))
1	6	6	without Thesis Bachelor's Degree	4	240	Primary Education (Elementary School (4 years) & Middle School (4 years))
Short	5	5	Associate's	2	120	Pre-School Education
Cycle	5	5	Degree	2	120	Pre-Scnool Education The numbers 1.2.3 and 4 indicates the routes for one-tier long cycle degrees giving access to next (upper) cycle gualifications.



# **Uşak University Diploma Supplement**

The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by European Commission, Council of Europe and UNESCO.

# 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFIC

- 1.1. Last name(s)
- 1.2. First name(s)
- 1.3. Date of birth(day/month/year) 1.4. Student identification number or code (if available)

### 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of the qualification and title conferred (in original language): Coğrafya Yüksek Lisans Derecesi
- 2.2. Main field(s) of study for the qualification: Geography
- 2.3. Name and status of awarding institution: Uşak Üniversitesi, Devlet Üniversitesi
- Uşak University, State University

### 3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

### 3.1. Level of qualification:

- Second Cycle (Master's) Degree with Thesis
- 3.2. Official duration of programme in credits and/or years:

2 years (120 ECTS), 4 Semesters, 16-18 weeks per semester

# 3.3. Access requirement(s):

(1) First Cycle (Bachelor's) Degree diploma,

(2) A minimum score of 55 in the Examination for Academic Personnel and Graduate Studies (ALES) or equivalent international examinations scores for graduate-level programmes such as GRE, GMAT, etc., recognised by YÖK. Candidates gain access to the programmes based on their composite scores consisting of the scores on ALES and first cycle degree grade point averages.

### 4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

- 4.1. Mode of Study:
- Full-time

# 4.2. Programme learning outcomes:

The students must complete 2 years of study acquiring 120 ECTS credits. This degree is awarded to students who succesfully completed all courses in the curriculum, thesis and have a minimum CGPA of 2.50/4.00 and no failing grades.

### Key Learning Programme Outcomes :

- 1 Evaluating actual event and problems with a historical depth and a regional geographical approach
- 4 Using basic information technologies, cartographic tools and statistics in the human geographical researches
- 5 Understanding the environmental problems and offering solutions
- economic connections with Turkey. 9 - Preparing a thesis with a professional and ethical responsibility

### Graduation Requirements\*:

The student must successfully complete the course and seminar specified in the institute regulation and complete the thesis study within the maximum periods specified in the regulations.

University of Uşak Merkez/Usak-Turkey 64200 Phone:+90 276 221 21 21 Fax:+90 276 221 21 21 +90 276 221 22 07 +90 276 221 22 08 www.usak.edu.tr



Diploma No : xxxxxxxx **Diploma Date** : xx.xx.xxxx

2.4. Name and type of institution administering studies: Same as 2.3

2.5. Language(s) of instruction/examination: Turkish

6 - Understanding and analyzing the national and international dimensions of sustainability and development as major topics of geography 7 - Understanding the geopolitical position of Turkey in the frame of New World Order and having knowledge on the countries which have important cultural and

4.3 Programme details: (e.g. modules or units studied), and the individual grades/marks/credits obtained:					
Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade
Semester I					
4003005312016	Scientific Research Methods	Required	3	6	AA
4003005152016	GIS Applications	Elective	3	6	AA
4003005252016	Urban Studies	Elective	3	6	AA
4003005052016	Turkey Settlement Geography	Elective	3	6	BA
4003005092016	Local Studies	Elective	3	6	AA
Semester II					
4003005182016	Turkey Lakes, Seas and Coasts	Elective	3	6	AA
4003005382017	Spatial Analys is with GIS	Elective	3	6	BA
4003005062016	Seminar	Required	3	12	YT
4003005162016	Physical Geography Methodology	Elective	3	6	AA
Semester III					
4003006072016	Thesis Research	Required	0	20	YT
4003006052016	Specialization Field Course	Required	0	10	YT
Semester IV		-			
4003006082016	Thesis Research	Required	0	20	YT
4003006062016	Specialization Field Course	Required	0	10	YT
	Total ECTS Credit	ts : 27 Total ECTS Credits : 120		CGPA : 3.88	8 out of 4.00

# 4.4. Grading system and (if available) grade distribution table:

For each course taken, the student is given one of the following grades by the course teacher. The letter grades, grade points and percentage equivalents are given below:

GRADE POINTS	EVALUATION	COEFFICIENT	PERCENTAGE
AA	Excellent	4.0	90-100
BA	Very Good	3.5	85-89
BB	Good	3.0	75-84
CB	Satisfactory	2.5	70-74
CC	Sufficient	2.0	60-69
DC	Fail	1.5	50-59
FF	Fail	0.0	0-49
YT	Satisfactory	-	-
MU	Exempt	-	-

YT : Satisfactory, but not included in CGPA. MU: Is given for the qualification obtained formal and/or informal education before the attendance of the program.

# 4.5. Overall classification of the qualification:

Final Grade of Degree: Üstün Onur (High Honour) Cumulative Grade Point Average (CGPA): 3.88 out of 4.00

The CGPA is calculated by taking into account all the courses taken by a student from first semester to the last semester and courses recognised as valid by the department in which she/he is registered. Criterion for degree classification is:

-Yüksek Onur (High Honour)	: 3.50 - 4.00
-Onur (Honour)	: 3.00 - 3.49
-Başarılı (Satisfactory)	: 2.50 - 2.99

# **5 - INFORMATION ON THE FUNCTION OF THE QUALIFICATION**

### 5.1. Access to further study:

Upon successful completion of this programme, students may apply to third cycle programmes.

5.2. Professional status (if applicable):

This degree enables the holder to exercise the profession. Öğrencinin kayıtlandığı bir dersin sınavına girebilmesi için o derse en az %70 oranında devam etmesi gerekir. Yarıyıl sınav notu; ara sınav notunun % 40'ı, final sınavının % 60'ı alınarak hesaplanır.

### 6 - ADDITIONAL INFORMATION

6.1. Additional information:

6.2. Further information sources: University web site University's ECTS Course Catalogue YÖK/CoHE website YÖKAK/THEQC website The Turkish ENIC-NARIC website TYÇ/TQF website: https TYYÇ/TQF-HE website

: www.usak.edu.tr : obs.usak.edu.tr/oibs/bologna/ : https://www.yok.gov.tr : https://yokak.gov.tr : https://denklik.yok.gov.tr/enic-naric-tr-tanima-ofisi : https://www.myk.gov.tr/index.php/en/turkiye-yeterlilikler-cercevesi : http://www.tyyc.yok.gov.tr

7.1 Date	: xx.xx.xxxx
7.2 Name and Signature	:

7.3 Capacity

Head of Student Affair Office

7.4 Official stamp or seal

# 8 - INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Structure and Degree System

The basic structure of the Turkish National Education System consists of stages of non-compulsory pre-school education; compulsory primary (elementary and middle school) and secondary (high school) education; and higher education. Primary education begins at the age of 5.5 (66 months), lasts eight years and comprises elementary and middle school education, four years each. Secondary education is also four years and divided into two categories as "General High School Education" and "Vocational and Technical High School Education". The entry into these categories is through composite scores obtained from a centralized exam for secondary schools.

Higher education system in Turkey is managed by the Council of Higher Education (CoHE, Yükseköğretim Kurulu-YÖK) which is an autonomous public body responsible for the planning, coordination, governance and supervision of higher education within the provisions set forth in the Constitution of the Turkish Republic and the Higher Education Law. Both state and non-profit foundation universities are founded by law and subjected to the Higher Education Law and to the regulations enacted in accordance with it.

Higher education in Turkey comprises all post-secondary higher education programmes, consisting of short, first, second, and third cycle degrees in terms of the terminology of the European Higher Education Area (EHEA). Undergraduate level of study consists of short cycle (associate's önlisans derecesi) and first cycle (bachelor's-lisans derecesi) degrees which are awarded after successful completion of full-time two-year (120 ECTS) and four-year (240 ECTS) study programmes, respectively. The structure of first and second cycles is separate except for dentistry, pharmacy, medicine and veterinary programmes which are one-tier systems (lisans ve yüksek lisans bütünleşik programları). The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The level of qualifications in these one-tier programmes is equivalent to that of second cycle including first cycle.

Graduate level of study consists of second cycle (master's-yüksek lisans derecesi) and third cycle (doctorate-doktora derecesi) degree programmes.

Second cycle degrees are divided into two sub-types named as master with thesis and master without thesis. The master programmes with thesis require 120 ECTS credits, which consist of courses, a seminar, and a thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semester project. These programmes do not give direct access to third-cycle doctoral studies; for access to third-cycle programmes candidates should fulfil the thesis and other requirements of master programmes with thesis. 60 ECTS non-thesis master programmes are exceptional and exist in a few disciplines. Third cycle (doctorate with master degree) degree programmes are completed having earned 240 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Third cycle (doctorate with bachelor degree) degree programmes are completed having earned 300 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Proficiency in art, specialisation in medicine and in dentistry are accepted as equivalent to third cycle programmes, the last two being carried out within the faculties of medicine and dentistry, university hospitals and the training hospitals operated by the Ministry of Health. Universities consist of graduate schools (Institutes) offering second cycle and third cycle degree programmes, faculties offering first cycle programmes, four-year professional higher education schools offering first cycle degree programmes and two-year vocational schools offering short cycle degree programmes.

Admission requirements: Admission of national students to short and first cycle degree programmes is centralised and based on a nationwide one/two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Centre-ÖSYM). Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages. Admission to graduate programmes is directly conducted by the higher education institutions (HEIs) within the frameworks of the publicly available national and institutional regulations. Admission of international students to programmes at all levels of higher education can be done by direct applications of candidates to HEIs based on publicly available national and institutional regulations.

Turkish National Qualifications Frameworks: The National Qualifications Framework for Higher Education in Turkey (TQF-HE, TYYC in Turkish) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. Later in 2015, the framework became a part of Turkish Qualifications Framework (TQF, TYÇ in Turkish) which was designed as a single framework in harmony with the European Qualifications Framework and displays all qualifications gained through vocational, general and academic programs including primary, secondary and higher education or other learning environments. The framework was referenced with the EQF in 2017.

TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

Turkish Quality Assurance System: The Higher Education Quality Council of Turkey (THEQC) was founded as an autonomous public legal entity in 2015, and since then it has been operating at the national level for evaluating the quality levels of higher education institutions' education and research activities and administrative services at institutional level in accordance with the national and international quality standards, and coordinating the processes of institutional accreditation, internal and external quality assurance as well as authorization of independent external evaluation and accreditation organizations. THEQC is a full member of ENQA (The European Association for Quality Assurance in Higher Education) since April of 28, 2020.

HE LEVE	LS, QUALIFICATI	ONS TYPES AND E	CTS CRED	ITS	G	GENERAL STRUCTURE OF THE	TURKISH EDUCATION SY	STEM	
Levels/0	Cycles	QUALIFICATIONS TYPES	LENGTH (Year)	TOTAL ECTS CREDITS (Year x 60 ECTS)	Doctorate (Doktora)	Proficiency in Art (Sanatta Yeterlik)	Specialisation in Medicine (Tipta Uzmanlik)	Dentist (Diş Hekiml	<b>riy</b> liğinde
LLL	TQF & TQF-HE						4	β Uzman	lik)
		Doctorate			T		Mestaria Derree	T One tie	er, 1
	<u>_</u>	Specialisation in Medicine		240		(Y	with Thesis üksek Lisans Derecesi - Tezli)	long cycle I	Degrees
8	8	Specialisation in Dentistriy	4	240		(Ya	without Thesis		3
		Proficiency in Art			Associate's Degree		Bachelor's Degree (Lisans Derecesi)	eterinary harmacy	Dentistry Medicine
		Master's Degree with Thesis	2	120					
7	7	Master's Degree	1-1,5	60-90			Hi		n
		without Thesis			<b>≜</b>	D.I.u.u.		<b></b>	
6	6	Bachelor's Degree	4	240	(	Elementary School (4 years)	) & Middle School (4 years	))	
5	5	Associate's Degree	2	120		Pre-School	Education		
	Feeling Feelin	Higher Education Levels/Cycles           EQF- LLL         TQF & TQF-HE           8         8           7         7           6         6	ligher Education Levels/Cycles     QUALIFICATIONS TYPES       EQF- LLL     TQF & TQF-HE     Doctorate       8     8     Specialisation in Medicine       8     8     Specialisation in Dentistriy       7     7     Master's Degree with Thesis       7     7     Master's Degree without Thesis       6     6     Bachelor's Degree       5     5     Associate's	Higher Education Levels/Cycles     QUALIFICATIONS TYPES     LENGTH (Year)       EQF- LLL     TQF & TQF-HE     Doctorate        8     8     Specialisation in Medicine     4       8     8     Specialisation in Dentistriy     4       7     7     Master's Degree with Thesis     2       6     6     Bachelor's Degree     1-1,5       6     6     Bachelor's Degree     4	Levels/Cycles     QUALIFICATIONS TYPES     LENGTH (Year)     TOTAL ECTS (ReaDIST (Year x 60 ECTS)       EQF- LLL     TQF & TQF-HE     Doctorate     (Year)     (Year x 60 ECTS)       8     8     Specialisation in Medicine     4     240       8     Specialisation in Dentistriy     4     240       7     7     Master's Degree with Thesis     2     120       6     6     Bachelor's Degree     1-1,5     60-90       5     5     Associate's     2     120	Higher Education Levels/Cycles     QUALIFICATIONS TYPES     LENGTH (Year)     TOTALECTS GREDTS (Year x 60 ECTS)     Doctorate (Doktora)       8     8     Doctorate     1.2.3.4       8     8     Specialisation in Medicine     4     240       9     Proficiency in Art     4     240       7     7     Master's Degree with nut Thesis     2     120       6     6     Bachelor's Degree     1-1,5     60-90       5     5     Associate's Degree     2     120	Interview of the second secon	Higher Education Levels/Cycles     QUALIFICATIONS TYPES     LENGTH (Year x 60 ECTS)     TOTAL ECTS (Year x 60 ECTS)     Doctorate (Doktora)     Proficiency in Art (Sanatta Yeterlik)     Specialisation in M edicine (Tipta Uzmanlik)       8     8     Specialisation in Medicine     4     240     Master's Degree with Thesis     4     240       7     7     Master's Degree without Thesis     2     120     Master's Degree without Thesis     2     120       6     6     Bachelor's Degree     1-1,5     60-90     4     240     Primary Education (Elementary School (4 years) & Middle School (4 years)       5     5     Associate's Degree     2     120     Pre-School Education	Higher Education Levels/Cycles     QUALIFICATIONS (Year x 60 ECTS)     LENGTH (Year x 60 ECTS)     TOTAL ECTS (Year x 60 ECTS)     Doctorate (Doktora)     Proficiency in Art (Sanatta Yeterlik)     Specialisation in M edicine (Tpta Uzmanik)     Specialisation in Dontist (Dis Hekin Uzmanik)       8     8     Specialisation in Medicine     4     240       7     7     Master's Degree without Thesis     2     120       6     6     Bachelor's Degree     1-1,5     60-90       5     5     Associate's Degree     2     120



# **Uşak University Diploma Supplement**

The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by European Commission, Council of Europe and UNESCO.

# 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIF

- 1.1. Last name(s)
- 1.2. First name(s) 1.3. Date of birth(day/month/year)
- 1.4. Student identification number or code (if available)

### 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of the qualification and title conferred (in original language): Makine Mühendisliği Doktora Derecesi
- 2.2. Main field(s) of study for the qualification: Mechanical Engineering
- 2.3. Name and status of awarding institution: Uşak Üniversitesi, Devlet Üniversitesi Uşak University, State University

### 3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

### 3.1. Level of qualification:

Third Cycle (Doctoral) Degree

3.2. Official duration of programme in credits and/or years:

4 years (240 ECTS), 8 Semesters, 16-18 weeks per semester

### 3.3. Access requirement(s):

(1) Second Cycle (Master's) Degree diploma with thesis, (2) A minimum ALES score of 65 or equivalent international examinations scores for graduate-level programmes such as GRE, GMAT, etc., recognised by YÖK.

(3) A minimum score of 55 in accepted foreign language proficiency exams. Candidates gain access to the programmes based on their composite scores consisting of second cycle degree grade point averages, ALES and foreign language exam.

### 4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

4.1. Mode of Study:

- Full-time
- 4.2. Programme learning outcomes:

The students must complete 4 years of study acquiring 180 ECTS credits. This degree is awarded to students who succesfully completed all courses in the curriculum, thesis and have a minimum CGPA of 2.50/4.00 and no failing grades.

Key Learning Programme Outcomes :

Graduation Requirements\*:





Diploma No : xxxxxxxxxx **Diploma Date** : xx.xx.xx

2.4. Name and type of institution administering studies: Same as 2.3

2.5. Language(s) of instruction/examination: Turkish

Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade
Semester I					
4102009012014	SPECIALIZATION FIELD COURSE I	Required	0	9	ΥT
4102006272014	ADVANCED THERMODYNAMICS	Elective	0	5	AA
4107009032014	THESIS PREPARATION STUDY I	Required	0	1	YT
4107006252016	LIFE CYCLE EVALUATION OF ENERGY SYSTEMS	Elective	3	5	AA
4102005332014	ADVANCED THERMODYNAMICS OF INTERNAL COMBUSTION ENGINES	Elective	3	5	AA
4107006232016	THERMOECONOMICS	Elective	3	5	AA
4102006072014	THERMAL COMFORT AND ENVIRONMENTAL CONTROL	Elective	0	5	BA
4102006032014	COMBINED HEAT POWER SYSTEMS	Elective	0	5	AA
Semester II					
4107009022014	SPECIALIZATION FIELD COURSE II	Required	0	9	ΥT
4107009042014	THESIS STUDY II	Required	0	1	ΥT
4107006102014	MODERN SURFACE TREATMENT TECHNIQUES	Elective	3	5	AA
4107006122014	SEMINAR	Required	0	5	ΥT
Semester IV					
4107009042016	THESIS STUDY II	Required	0	20	YT
4107009022016	SPECIALIZATION FIELD COURSE II	Required	0	10	ΥT
Semester V		-			
4107009072016	THESIS STUDY III	Required	0	20	AA
4107009052016	SPECIALIZATION FIELD COURSE III	Required	0	10	AA
Semester VI					
4107009082016	THESIS STUDY IV	Required	0	20	ΥT
4107009062016	SPECIALIZATION FIELD COURSE IV	Required	0	10	ΥT
Semester VII					
4107009112016	THESIS STUDY V	Required	0	20	ΥT
4107009112016	THESIS STUDY V	Required	Ő		YT
4107009092016	SPECIALIZATION FIELD COURSE V	Required	0		YT
4107009092016	SPECIALIZATION FIELD COURSE V	Required	0		YT
Semester VIII			0	10	
4107009122016	THESIS STUDY VI	Required	0	20	ΥT
4107009102016	SPECIALIZATION FIELD COURSE VI	Required	0		YT

# 4.4. Grading system and (if available) grade distribution table:

For each course taken, the student is given one of the following grades by the course teacher. The letter grades, grade points and percentage equivalents are given below:

GRADE POINTS	EVALUATION	COEFFICIENT	PERCENTAGE
AA	Excellent	4.0	90-100
BA	Very Good	3.5	85-89
BB	Good	3.0	75-84
CB	Satisfactory	2.5	70-74
CC	Sufficient	2.0	60-69
DC	Fail	1.5	50-59
FF	Fail	0.0	0-49
YT	Satisfactory	-	-
MU	Exempt	-	-

YT : Satisfactory, but not included in CGPA. MU: Is given for the qualification obtained formal and/or informal education before the attendance of the program.

# 4.5. Overall classification of the qualification:

Final Grade of Degree: Üstün Onur (High Honour) Cumulative Grade Point Average (CGPA): 3.93 out of 4.00

The CGPA is calculated by taking into account all the courses taken by a student from first semester to the last semester and courses recognised as valid by the department in which she/he is registered. Criterion for degree classification is:

-Yüksek Onur (High Honour)	: 3.50 - 4.00
-Onur (Honour)	: 3.00 - 3.49
-Başarılı (Satisfactory)	: 2.50 - 2.99

# **5 - INFORMATION ON THE FUNCTION OF THE QUALIFICATION**

5.1. Access to further study:

N/A

5.2. Professional status (if applicable):

This degree enables the holder to exercise the profession.

6 - ADDITIONAL INFORMATION

6.1. Additional information:

6.2. Further information sources: University web site University's ECTS Course Catalogue YÖK/CoHE website YÖKAK/THEQC website The Turkish ENIC-NARIC website TYÇ/TQF website: https TYYÇ/TQF-HE website

: www.usak.edu.tr : obs.usak.edu.tr/oibs/bologna/ : https://www.yok.gov.tr : https://yokak.gov.tr : https://denklik.yok.gov.tr/enic-naric-tr-tanima-ofisi : https://www.myk.gov.tr/index.php/en/turkiye-yeterlilikler-cercevesi : http://www.tyyc.yok.gov.tr