



## MERSİN UNIVERSITY DIPLOMA SUPPLEMENT

Mersin University, Ciftlikkoy Kampusu, Mezitli 33343, Mersin Turkey  
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Diploma Date / No : 17/08/2010 - MÜH FEM 2010/1938

### FACULTY OF ENGINEERING - Electrical and Electronics Engineering

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the 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 should be free from any value-judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

#### 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1. Family name(s) : ÖZ  
1.2. Given name(s) : MUSTAFA  
1.3. Place and date of birth (day/month/year) : PERTEK;09/10/1987  
1.4. Student identification number or code (if available) : 06156010

#### 2. INFORMATION IDENTIFYING THE QUALIFICATION AND ITS ORIGINATING INSTITUTION

- 2.1. Name of the qualification (in original language): MÜHENDİSLİK FAKÜLTESİ ,ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ ,Lisans  
2.2. Main field(s) of study for qualification: Electrical and Electronics Engineering  
2.3. Name and status of awarding institution (in original language): Mersin Üniversitesi, Devlet Üniversitesi  
2.4. Name and status of institution (if different 2.3.) administering studies (in original language): Same as 2.3  
2.5. Language(s) of instruction/examination: Turkish

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

- 3.1. Level of qualification: First Cycle (Bachelor's Degree)  
3.2. Official length of program: 4 years, 2 semesters per year, 16 weeks per semester, two summer practices each of which 20 working days  
3.3. Access requirement(s): High school diploma, placement through a centralised national placement examination. Admission to higher education is based on a nation-wide Student Selection Examination (ÖSS).

#### 4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1. Mode of study: full-time  
4.2. Programme requirements:

Requirements: A student is required to have a minimum CGPA of 2.00/4.00 and no failing grades including summer practice. A student is entitled to complete a minimum of 120 credits.

Objectives: Educate and train students to demonstrate ability to acquire, apply and synthesize new knowledge; to complete complex electrical engineering projects, to apply techniques and technology of in many different areas of electrical engineering including communications, computers, controls, electronics, microprocessors, integrated circuits, signal and information processing, wireless components and systems, and software development.

- 4.3. Program details (e.g. modules or units studied) and the individual grade/marks/credits obtained (if this information is available on an official transcript this should be used here) :

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*This document is official only if it bears the seal of the Graduate School & the signature of the Director.*



Code	Course Name	Course Category	Credits*	Grade
<b>First Semester</b>				
EEM141	Introduction to Computing	Required	7	BA
YD101	Foreign Language I	Required	1	AA
TD101	Turkish Language I	Required	1	BB
AIL101	Principles of Atatürk & History of Rev. I	Required	1	CC
FIZ105	Physics I	Required	6	CC
KIM111	General Chemistry	Required	6	DC
<b>Second Semester</b>				
MAT106	Calculus II	Required	8	DD
MAT110	Linear Algebra	Required	6	CC
EEM142	Introduction to Programming	Required	4	CB
YD102	Foreign Language II	Required	1	BA
TD102	Turkish Language II	Required	1	BA
AIL102	Principles of Atatürk and History of Rev	Required	1	BB
FIZ106	Physics II	Required	6	CC
EEM104	Introduction to Electrical Engineering	Required	3	CB
<b>Third Semester</b>				
MAT203	Ordinary Differential Equations	Required	6	CB
FIZ207	Modern Physics Concepts	Required	6	BB
EEM201	Circuit Theory I	Required	8	CB
EEM211	Electrical Material Science	Required	6	CB
PSI131	Introduction to Psychology I	Elective	2	BA
YD201	Reading and Writing in a Foreign Language	Required	2	BA
<b>Fourth Semester</b>				
MAT208	Numerical Analysis	Required	6	DD
MAT206	Complex Analysis	Required	6	BB
EEM202	Circuit Theory II	Required	8	BB
EEM232	Electromagnetic Theory	Required	6	BB
PSI132	Introduction to Psychology II	Elective	2	BA
YD202	Technical Foreign Language I	Required	2	BB
<b>Fifth Semester</b>				
MAT305	Probability and Random Variables	Required	4	BA
EEM301	Signals and Systems	Required	6	AA
EEM311	Electronics I	Required	6	AA
EEM333	Electromechanical Energy Conversion I	Required	6	CB
YD301	Technical Foreign Language II	Required	2	AA
EEM335	Electromagnetic Waves	Required	6	DC
<b>Sixth Semester</b>				
EEM302	System Control Theory	Required	6	BA
EEM312	Electronics II	Required	6	BA
EEM362	Communication Systems I	Required	6	BA
EEM342	Logic Circuit Design	Required	6	AA
EEM334	Electromechanical Energy Conversion II	Required	6	AA
YD302	Foreign Language for Business Life	Required	2	BA
<b>Seventh Semester</b>				
EEM441	Microprocessors I	Required	6	AA
İŞL205	Management and Organisation	Required	6	CC
EEM437	Power System Analysis	Required	6	BA
EEM405	Programmable Logic Controllers	Elective	6	BA
EEM409	Advanced Control Systems	Elective	6	AA
EEM493	Graduation project I	Required	6	AA
<b>Eighth Semester</b>				
EEM442	Microprocessors II	Elective	6	BA
EKO438	Engineering Economics	Required	6	BA
EEM406	Microcontrollers	Elective	6	BA
EEM446	High Voltage Techniques	Elective	6	CC
EEM494	Graduation Project II	Required	6	BA

\* Credits used on this table are based on ECTS

#### 4.4. Grading scheme and, if available, grade distribution guidance:

A student's academic success is calculated by the Registrar's Office by taking into consideration the semester final grade and cumulative grade point average (CGPA) and this grade is recorded in the student's personal file. For each course taken, the student is assigned one of the following grades by the course teacher. The letter grades below are given in all faculties excluding the Faculty of Medicine and State Conservatoire where grades are assigned and calculated out of 100.

The letter grades, the quality point equivalents are:

PERCENTAGE	COURSE GRADE	GRADE POINTS
90-100	AA	4.00
80-89	BA	3.50
70-79	BB	3.00
65-69	CB	2.50
60-64	CC	2.00
55-59	DC	1.50
50-54	DD	1.00
40-49	FD	0.50
39 and below	FF	0.00

I-Incomplete, S-Satisfactory Completion, U-Unsatisfactory, NA-Non-attendance, P-in Progress



For pre-licenciate/associate and B.Sc. or B.A. degrees, students must obtain at least DD or S from each course and have a CGPA of not less than 2.0 out of 4.00 and have completed all the courses and summer practices in the program. Students who obtain a CGPA of 3.00-3.50 at the end of a semester are considered Honor Students and those who obtain a CGPA of 3.51-4.00 at the end of a semester are considered High Honor Students and this is recorded in their academic report. For graduate degrees, students must obtain from each course at least CB or S for M.Sc. or M.A. and at least BB or S for Ph.D. and have a CGPA of not less than 2.50 out of 4.00 for M.Sc. or M.A and 3.00 out of 4.00 for Ph.D. and have completed all the courses including thesis in the program.

4.5. Overall classification of the qualification (in original language): 3.02/4.00, Geçer (Satisfactory), completed the programme in 4 years.

Student has been participated to Erasmus programme on 2008-2009 Spring semester

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1. Access to further study: May apply to masterprograms.

5.2. Professional status (if applicable): This degree enables the holder to exercise the profession.

## 6. ADDITIONAL INFORMATION

Further information sources:

University web site: [www.mersin.edu.tr](http://www.mersin.edu.tr)

European Union Office web site: [www.ua.gov.tr](http://www.ua.gov.tr)

The Council of Higher Education web site: [www.yok.gov.tr](http://www.yok.gov.tr)

The Turkish ENIC/NARIC web site: [www.enic-naric.net/members.asp?country=Turkey](http://www.enic-naric.net/members.asp?country=Turkey)

## 7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date: 2010-08-17

7.2. Signature:



Semra ERGÜDEN  
Director Of Student Affairs

7.3. Capacity: Registrar of the Mersin University

7.4. Official stamp or seal:



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## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

The basic structure of the Turkish National Education system consists of four main stages as pre-school education, primary education, secondary education and higher education.

Pre-school education consists of non-compulsory programmes whereas primary education is a compulsory 8-year programme for all children beginning from the age of 6. The secondary education system includes "General High Schools" and "Vocational and Technical High Schools". Higher education is defined as all post-secondary programmes with duration of at least two years. The system consists of universities (state and foundation) and non-university institutions of higher education (police and military academies and colleges). Each university consists of faculties and four-year schools offering Bachelor's level programmes, the latter with a vocational emphasis, and two-year vocational higher schools offering short cycle (Associate's) level programmes of a strictly vocational nature.

The Higher Education Law No. 2547 is the main law, which governs the higher education in Turkey. All universities (both state and foundation) are subject to the same law and regulations/rules. All state and foundation universities are founded by Law.

Admission to higher education is based on a nation-wide Student Selection Examination (ÖSS). The examination is held once a year and is administered by the Student Selection and Placement Center (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.

Graduate level of study consists of the Master's Degree (Yüksek Lisans Diploması) and the PhD's/Doctorate Degree (Doktora Diploması). There are two types of Master's programmes: with and without a thesis. The Master's programmes with a thesis consist of a minimum of seven courses, one seminar course, and thesis, with a minimum of 21 credits. The seminar course and thesis are non-credit and graded on a pass/fail basis. The duration of the Master's programmes with a thesis is two years. Non-thesis Master's programmes consist of a minimum of 10 courses and a non-credit semester project, with a minimum of 30 credits. The semester project is graded on a pass/fail basis. Duration of the non-thesis Master's programmes is one and half years. Doctoral programmes have a duration of a minimum of four years which consists of completion of courses, passing a doctoral qualifying examination, and preparing and defending a doctoral dissertation. Medical specialization programs are equivalent to doctoral level programmes and carried out within the faculties of medical schools with hospitals.

The Higher Education System is regulated by the Council of Higher Education (Yüksek Öğretim Kurulu-YÖK). Established in 1981, the Council regulates the activities of higher education institutions with respect to research, governing, planning and organization.

General Structure of the Turkish Education System

