

## 7. CERTIFICATION

- 7.1. Date : 23.07.2013
- 7.2. Name and Signature : Mehmet Emin DEM RÖRS
- 7.3. Capacity : General Director of Student Affairs
- 7.4. Official stamp or seal :

Diploma No : 2012/03086

Diploma Date : 15.07.2013



## YÜZÜNCÜ YIL UNIVERSITY Diploma Supplement

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## 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 noncompulsory 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 Bologna Process. The structure of Turkish higher education degrees is based on a two-tier system, except for dentistry, pharmacy, medicine and veterinary medicine programmes which have a one-tier system. The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The qualifications in these one-tier programmes are equivalent to the first cycle (bachelor's) plus second cycle (master's) degree. 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.

Graduate level of study consists of second cycle (master's)-(yüksek lisans derecesi) and third cycle (doctorate)-(doktora derecesi) degree programmes. Second cycle is divided into two sub-types named as master without thesis and master with thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semester project. 60 ECTS non-thesis master programmes are exceptional, and exist in a few disciplines. The master programmes with a thesis require 90 to 120 ECTS credits, which consists of courses, a seminar, and a thesis. Third cycle (doctorate) degree programmes are completed having earned a minimum of 180 ECTS credits, which consists of completion of courses, passing a proficiency examination and a doctoral thesis. Specialization in medicine, accepted as equivalent to third cycle programmes are carried out within the faculties of medicine, university hospitals and the training hospitals operated by the Ministry of Health.

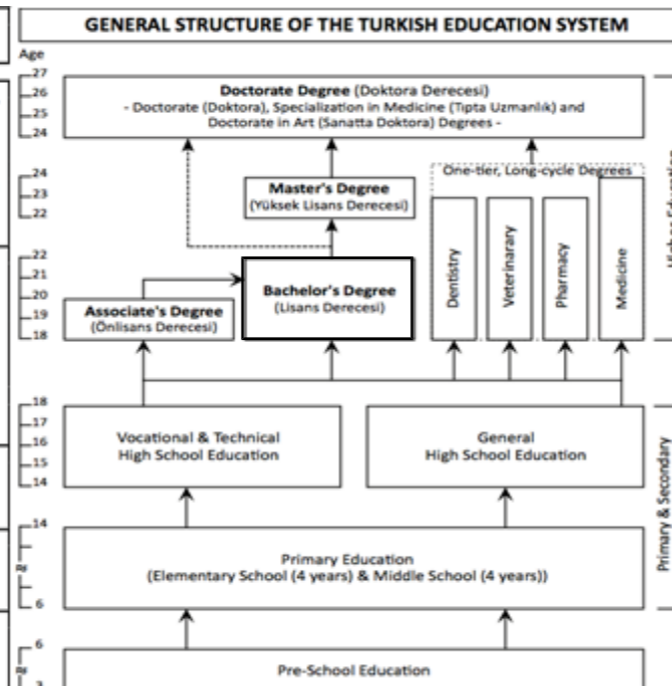
Universities consist of graduate schools (Institutes) offering second cycle (master's) and third cycle (doctorate) degree programmes, faculties offering first cycle (bachelor's degree) programmes, four-year higher schools offering first cycle (bachelor's) degree programmes with a vocational emphasis and two-year vocational schools offering short cycle (associate's) degree programmes of a strictly vocational nature.

Since 2003, first cycle degree holders may apply directly to third cycle (doctorate) programmes if their performance at the first cycle degree level is exceptionally high and their national central Graduate Education Entrance Examination (ALES) score is also high and their application is approved. For these students, theoretical part of the programmes requires additional courses of 60 ECTS credits.

Admission of national students to short and first cycle degree programmes is centralized 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 foreign 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.

**The Turkish National Qualifications Framework for Higher Education (TYYÇ):** The National Qualifications Framework for Higher Education in Turkey (TYYÇ) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. The framework has been developed as a part of a single national qualifications framework, which would eventually consist of 8 level national framework covering all levels of education on completion of the ongoing work at the national level, in which the higher education levels lie on levels between 5 to 8. The levels of the TYYÇ with reference to the European overarching qualifications frameworks as well as that to ECTS credits and student workload are shown below.

TYYÇ LEVELS, QUALIFICATIONS TYPES AND ECTS CREDITS				
Higher Education Levels/Cycles	AWARDS/ DEGREES	LENGTH (Year)	TOTAL ECTS CREDITS (Year x 60 ECTS)	TOTAL STUDENT WORKLOAD (h) (1 ECTS= 25-30h)
3	Doctorate Specialization in Medicine Doctorate in Art	3 (min.)	180 (min.)	4.500 – 5.400
2	Master's Degree	1-2	60 - 120	1.500 – 3.600
1	Bachelor's Degree	4	240	6.000 – 7.200
Short Cycle	Associate's Degree	2	120	3.000 – 3.600



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) : KIZILDEN Z
- 1.2. Given name(s) : SA M
- 1.3. Date of birth : 02.11.1985
- 1.4. Student identification number : 09020005008

## 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of qualification and (if applicable) title conferred (original language):  
**Fizikte lisans derecesi, Fizikçi**
- 2.2. Main field(s) of study for the qualification:  
**Physics, Bachelor of Science**
- 2.3. Name and status of awarding institution (in original language):  
**Yüzüncü Yıl Üniversitesi, Devlet Üniversitesi  
Yüzüncü Yıl University, State University**
- 2.4. Name and status of institution (if different from 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:  
**Undergraduate**
- 3.2. Official length of programme:  
**4 years, 2 semesters per year, 16 weeks per semester**
- 3.3. Access requirements(s):  
**High School Diploma  
Placement through a nation-wide Student Selection and Placement Examinations (YGS and LYS)**

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

##### 4.1. Mode of study:

Full-time

##### 4.2. Programme requirements:

Bachelor's degree is awarded to students who have: successfully completed all courses in the curriculum (at least 240 ECTS) a minimum CGPA of 60/100

##### 4.3. Program details (e.g. modules or units studied), and the individual grades/marks/credits obtained:

Course Code and Name	Category (Compulsory/Elective)	Grade	Credits	ECTS
<b>Semester I</b>				
2902001012009	TURKISH LANGUAGE I	Compulsory	70	2
2902001022009	PRINCIPLES OF ATATÜRK & HISTORY OF TURKISH REVOLUTIONS I	Compulsory	77	2
2902001032009	FOREIGN LANGUAGE-I (ENGLISH)	Compulsory	80	2
2902001112001	GENERAL CHEMISTRY(I)	Compulsory	73	4
2902001882001	MECHANICS	Compulsory	60	5
2902001892001	MECHANICS LABORATORY (GROUP-A, GROUP-B)	Compulsory	90	1
2902001932005	INTRODUCTION TO COMPUTER-I	Compulsory	70	2
2902001942006	GENERAL MATHEMATICS I	Compulsory	81	4
<b>Semester II</b>				
2902002012009	PRINCIPLES OF ATATÜRK & HISTORY OF TURKISH REVOLUTIONS I	Compulsory	64	2
2902002022009	FOREIGN LANGUAGE (ENG-GER-FRN)	Compulsory	77	2
2902002032010	TURKISH LANGUAGE-I	Compulsory	60	2
2902002202001	GENERAL CHEMISTRY -II	Compulsory	60	4
2902002232006	INTRODUCTION TO COMPUTER-II	Compulsory	77	2
2902002522007	HEAT & MOLECULAR PHYSICS I	Compulsory	78	4
2902002532007	GENERAL MATEMATICS-II	Compulsory	90	4
<b>Semester III</b>				
2902003952006	MODERN PHYSICS	Compulsory	90	4
2902003962006	ANALYTIC GEOMETRY	Compulsory	64	4
2902003972007	COMPUTER PROGRAMMING-I	Compulsory	84	3
FFFİZ-201	ELECTRICITY AND MAGNETISM	Compulsory	93	4
FFFİZ-203	ELECTRICITY AND MAGNETISM LABORATORY	Compulsory	86	1
FFMAT..203	DİFFERENTIAL EQUATIONS-I	Compulsory	81	4
<b>Semester IV</b>				
2902004082003	OPTICS LAB	Compulsory	79	1
2902004262001	DİFFERENTIAL EQUATIONS -II	Compulsory	62	4
2902004272001	LINEAR ALGEBRA II	Compulsory	68	4
2902004322001	OPTICS	Compulsory	77	4
2902004332003	CLASSICAL MECHANICS-I	Compulsory	79	4
2902004342007	COMPUTER PROGRAMMING -II	Compulsory	64	3
<b>Semester V</b>				
2902005942006	ELECTROMAGNETIC THEORY-I	Compulsory	93	4
2902005952006	KATILARIN OPTİK ÖZELLİKLERİ	Compulsory	60	2
FFFİZ-303	ELECTRONIC-I	Compulsory	70	4
FFFİZ-305	ATOMIC PHYSICS	Compulsory	80	4
FFFİZ-307	CONVENTIONAL MECHANICAL-II	Compulsory	70	4
<b>Semester VI</b>				
2902006372001	ELECTRONICS II	Compulsory	92	4
2902006432001	ELECTRONICS LAB(II)	Compulsory	72	1
2902006442001	NUCLEAR PHYSICS(I)	Compulsory	60	4
2902006862001	MATHEMATICAL METHODS IN PHYSICS	Compulsory	80	4
2902006872007	ELECTROMAGNETIC THEORY -II	Compulsory	100	4
2902006912007	ENERGY RESOURCES AND SYSTEMS	Compulsory	60	2
<b>Semester VII</b>				
FFFİZ-401	QUANTUM MECHANICS-I	Compulsory	72	4
FFFİZ-403	CONDENSED MATTER PHYSICS-I	Compulsory	60	4
FFFİZ-405	THERMODYNAMICS AND STATISTICAL PHYSICS-I	Compulsory	74	4
FFFİZ-407	GRADUATE STUDY-I	Compulsory	90	2
FFFİZ-423	EXCESS CONDUCTIVITY-I	Elective	100	2
FFFİZ-425	NUCLEAR PHYSICS	Elective	67	2
<b>Semester VIII</b>				
FFFİZ-402	QUANTUM MECHANICS-II	Compulsory	60	4
FFFİZ-404	CONDENSED MATTER PHYSICS-II	Compulsory	65	4
FFFİZ-406	THERMODYNAMICSAND STATISTICAL PHYSICS-II	Compulsory	86	4

Course Code and Name	Category (Compulsory/Elective)	Grade	Credits	ECTS
FFFİZ-408	GRADUATE STUDIES-II	Compulsory	80	2
FFFİZ-424	excess conductivity-II	Elective	89	2
FFFİZ-428	SEMICONDUCTOR DEVICES	Elective	88	2
Total Credits :				155
Total ECTS :				
CGPA :				75.98

8 ECTS

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

85-100	Excellent
70-84	Good
60-69	Satisfactory
0-59	Fail
Internship	Sufficient/Fail

Students must obtain from each course at least 60 and have completed all the courses including the other program requirements (staj, seminar, graduation project, etc.)

##### Other Grades:

S : Satisfactory Completion  
U : Unsatisfactory  
C : Compulsory  
E : Elective

##### 4.5. Overall classification of the qualification (in original language):

Genel Not Ortalaması **75,98 ( yi)**

#### 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

##### 5.1. Access to further study

May apply to second cycle programmes

##### 5.2. Professional status (if applicable):

The holder of this supplement may exercise the profession

#### 6. ADDITIONAL INFORMATION

##### 6.1. Additional information:

##### 6.2. Further information sources:

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)