

## 7. CERTIFICATION

- 7.1. Date : 26.08.2013
- 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 : 2013/04104

Diploma Date : 15.07.2013



## YÜZÜNCÜ YIL UNIVERSITY Diploma Supplement

Yüzüncü Yıl University  
Van, Turkey

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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.

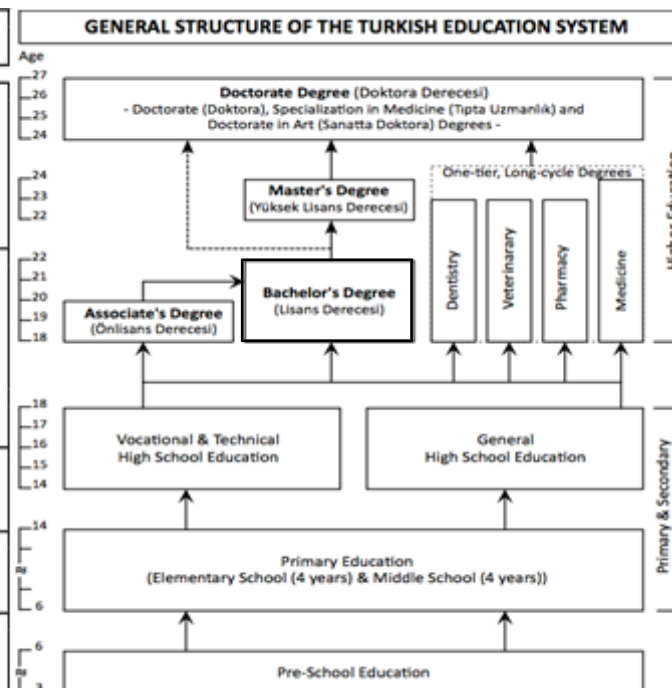
Universities consist of graduate schools (Institutes) offering second cycle (master's) and third cycle (doctorate) degree programmes, faculties offering first cycle (bachelor's degree) programmes, four-year higher schools offering first cycle (bachelor's) degree programmes with a vocational emphasis 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) : AVANA
- 1.2. Given name(s) : KAD R
- 1.3. Date of birth : 29.07.1990
- 1.4. Student identification number : 09020001042

## 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of qualification and (if applicable) title conferred (original language):  
**Matematik, Lisans**
- 2.2. Main field(s) of study for the qualification:  
**Mathematics, Bachelor's Degree**
- 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:  
**First Cycle (Bachelor's Level)**
- 3.2. Official length of programme:  
**4 years, 2 semester 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 The objectives of the Programme are; Providing the students with a focused knowledge of mathematics. Providing the students with a detailed knowledge in her/his area of research, and making them familiar with the research literatures of mathematics, Acquiring knowledge and skills on verbal and written presentation of scientific data, Acquiring ability to use scientific methods in candidates' profession,

##### 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>					
2904001012001	Calculus -I	Compulsory	60	6	8
2904001022001	Analytic Geometry	Compulsory	66	4	5
2904001032001	Abstract Mathematics	Compulsory	60	4	6
2904001042001	General Physics-I	Compulsory	64	4	5
2904001052009	Turkish Language -I	Compulsory	60	2	2
2904001062009	Atatürk's Principles and Revolutions -I	Compulsory	62	2	2
2904001072009	Foreign Language-I	Compulsory	65	2	2
<b>Semester II</b>					
2904002012009	Turkish Language -II	Compulsory	86	2	2
2904002022009	Atatürk's Principles and Revolutions	Compulsory	60	2	2
2904002032009	Foreign Language	Compulsory	65	2	2
2904002092001	Calculus -II	Compulsory	62	6	8
2904002102001	Analytic Geometry-II	Compulsory	80	4	5
2904002112001	Abstract Mathematics-II	Compulsory	60	4	6
2904002122001	General Physics-II	Compulsory	60	4	5
<b>Semester III</b>					
2904003162002	Computers and Programming	Compulsory	70	4	3
2904003172001	Calculus -III	Compulsory	61	6	10
2904003222008	Professional English-I	Compulsory	69	2	2
FFMAT-203	Differential Equations- I	Compulsory	80	4	5
FFMAT-205	Linear Algebra-I	Compulsory	70	4	6
FFMAT-207	Probability and Statistics-I	Compulsory	62	4	4
<b>Semester IV</b>					
2904004222001	Calculus -IV	Compulsory	67	6	10
2904004232001	Differential Equations- II	Compulsory	74	4	5
2904004262001	Probability and Statistics-II	Compulsory	61	4	4
2904004272002	Computers and Programming	Compulsory	79	4	3
2904004292009	Professional English-II	Compulsory	66	2	2
FFMAT-206	Linear Algebra	Compulsory	64	4	6
<b>Semester V</b>					
FFMAT-301	The Theory of Complex Functions-I	Compulsory	62	4	6
FFMAT-303	Partial Differential Equations-I	Compulsory	72	4	6
FFMAT-305	General Topology-I	Compulsory	60	4	6
FFMAT-307	Numerical Analysis-I	Compulsory	60	4	6
FFMAT-309	Abstract Algebra-I	Compulsory	61	4	6
<b>Semester VI</b>					
2904006112011	Partial Differential Equations-II	Compulsory	77	4	6
2904006122011	General Topology-II	Compulsory	62	4	6
2904006132011	Numerical Analysis-II	Compulsory	66	4	6
FFMAT-322	Complex functional theory-II	Elective	60	4	6
FFMAT-330	abstract algebra-II	Elective	63	4	6
<b>Semester VII</b>					
FFMAT-401	Graduate Study-I	Compulsory	90	2	4
FFMAT421	Functional Analysis-I	Elective	64	4	6
FFMAT423	Differential Geometry-I	Elective	86	4	6
FFMAT425	Real Analysis-I	Elective	69	4	6
FFMAT-427	Applied Mathematics-I	Elective	70	4	6
<b>Semester VIII</b>					
FFMAT-402	graduate study-II	Compulsory	90	2	4
FFMAT-422	functional Analysis-II	Elective	64	4	7
FFMAT-424	differential Geometry-II	Elective	79	4	6
FFMAT-426	real Analysis-II	Elective	69	4	7
FFMAT-428	Applied Mathematics-II	Elective	80	4	7
Total Credits :	172				
Total ECTS :					
CGPA :	68.49				

#### 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

68,49 (Yeterli)

#### 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:

Department of Mathematics, Faculty of Science, Yüzüncü Yıl University

<http://www.yyu.edu.tr/akademikbirimler/index.php?>

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##### 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)