KIRIKKALE UNIVERSITY

DIPLOMA SUPPLEMENT

Kırıkkale Üniversitesi Rektörlüğü
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Diploma Date : 01.02.2013
Diploma No : FB2013-567

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 judgments, 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 2. INFORMATION IDENTIFYING THE QUALIFICATION

1.1. Family Name(s)   :

1.2. Given Name(s)

1.3. Date of Birth   :

1.4. Student Identification Number   :

2.1 Name of the Qualification
2.1 Bilgisayar Mühendisliği Yüksek Lisans Derecesi
2.2 Main field(s) of study for the qualification
Computer Engineering
2.3 Name and Status of Awarding Institution
Kırıkkale Üniversitesi, Devlet Üniversitesi
2.4 Name and Status of Awarding Institution Administering Studies
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
Second Cycle (Master's Degree), Level 7 in the Turkish Qualification Framework for Higher Education

3.2 Official Length of Program
2 years, 4 semesters, 120 ECTS

3.3 Access Requirements
- Bachelor's Degree (First Cycle) diploma. - A minimum score of 55/100 in ALES (Academic Staff and Graduate Education Examination: a centralized nation-wide examination for holders of first cycle degree diplomas to gain access to academic and post graduate studies, administered by the Students Selection and Placement Centre (ÖSYM)). - A minimum score of 50/100 in Foreign Language Proficiency Exam held by the university or in YDS (Foreign Language Exam: a nation-wide centralized proficiency test held by OSYM).

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study Full-time
4.2 Program Requirements This degree is awarded to the students who have successfully completed all the courses in the curriculum and have a Cumulative Grade Point Average CGPA of 70/100 and 120 ECTS.

Objectives
The goal of the Computer Engineering Program is to carry computer engineers to a more advanced level of contemporary, conceptual, theoretical and technological knowledge, earning them analytical thinking skills with the ability of reaching knowledge and implementing it. Our program aims to serve humanity by using science and technology, working on the basis of research and development and revealing the original scientific and technological innovation in the light of scientific knowledge.

Upon successful completion of the programme, the student:

Knowledge
- explores new knowledge by following scientific research methodology.
- is equipped with knowledge to make methodological study about definition of needs, design and analysis for the solution of Computer Engineering problems.

Skills
- has the ability of making analysis.
- has analytical thinking skills with gained knowledge.
- has a perspective in the field of Computer Engineering.

Competences
- has the ability of problem-solving skills for professional practices and knowledge of global and social dimensions of the effects of engineering applications on health, environment and safety, and problems of current age.
- has the ability to follow scientific and technological developments for self-renewal and self-improvement appreciating the significance of life-long learning process.
- has ability to work and think independently in addition to working in a group and inter-disciplinary manner.
- is successful in human relations with communication and project preparation and presentation skills.

Prof.Dr. Hakan KOCAMIŞ
Vice Rector
Erasmus Insititutional Coordinator

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20.08.2013

4.3. Programme details and the individual grades/marks obtained:

Code	Course Name	Category	National Credits	ECTS	Grades
2011-2012 Fall Semester					
BM501	Algorithm Analysis 1	Compulsory	3	9	AA
BM512	Applications with Fuzzy Sets in Engineering	Elective	3	7	BA
BM509	Advanced Computer Architecture	Elective	3	7	CC
BM515	Applied Artificial Intelligence	Elective	3	7	AA
2010-2011 Spring Semester					
BM502	Algorithm Analysis 2	Compulsory	3	9	AA
END527	Network Optimization	Elective	3	7	AA
BM517	Artificial Neural Networks	Elective	3	7	AA
BM601	Seminar	Seminar	0	7	S
2011-2012 Spring Semester					
BM600	Special Topics	Special Topics	0	30	S
2012-2013 Fall Semester					
BM600	Special Topics	Special Topics	0	30	S

Total Credits :21 (Local) / 120(ECTS)   **CGPA***   :3.643 out of 4

* CGPA is calculated using the national credits.

4.4. Grading Scheme and Grades

Grades are assigned in letters. The letter grades and the corresponding percentage equivalent are given below:

POINTS	COURSE GRADE	GRADE POINT AVERAGE (over 4.0)
90-100	AA	4.0
85-89	BA	3.5
80-84	BB	3.0
75-79	CB	2.5
70-74	CC	2.0
65-69	DC	1.5
60-64	DD	1.0
50-59	FD	0.5
0-49	FF	0

Additional Information

Nonattendance	: NA
Absent from exam	: NA
Successful (for non credit courses and dissertation)	: S
Unsuccessful (for non credit courses and dissertation)	: NA

The grade, "NA" means "Not Applicable" and equals "FF".

The grade, "S" means "Satisfactory".

The sum of the 60% of the final exam grade and the 40% of the mid-term exam grade will make up the decisive grade, which must be at least 70 for master's degree and 75 for doctorate's degree.

A student's academic success is calculated in the form of Cumulative Grade Point Average (CGPA), taking into account all the courses taken by the student. In order to obtain CGPA, the final mark for each course is multiplied by the course's national credits. The results are added and the sum is divided by the total number of national credits. The score obtained is the CGPA. To be an Honor Student, one must obtain 3,75 /4,00 CGPA at the end of the entire study period.

The criteria for degree classification:
3.79 - 4.00	Onur öğrencisi (Honor's Student)
3.58 – 3.78	Pekiyi (Excellent)
3.15 – 3.57	İyi (good)
2.71 – 3.14	Başarılı (Satisfactory)

4.5. Overall Classification of the Qualification

Genel Not Ortalaması (GNO)	: 3.643 , Pekiyi
Cummulative Grade Point Average (CGPA)	: 3.643 , Excellent

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to Further Study
May apply to third cycle programmes
5.2 Professional Status Conferred
This degree enables the holder to exercise the profession

6. ADDITIONAL INFORMATION

6.1 Additional Information : n/a
6.2 Further Information Sources

Computer Engineering Web Site	: http://bm.kku.edu.tr/
Graduate School of Natural and Applied Sciences Web Site	: http://fbe.kku.edu.tr/
University web site	: http://www.kku.edu.tr
University International Relations and EU Office web site	: http://abofisi.kku.edu.tr
The Council of Higher Education web site	: http://www.yok.gov.tr
The Turkish ENIC/NARIC web site	: http://www.enic-naric.net/members.asp?country=Turkey
The web site of the NQF (TYYÇ) for Higher Education	: http://www.tyyc.yok.gov.tr

7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date : 01.02.2013
7.2. Name and Signature : Mehmet TURGUT
7.3. Capacity : Institute Secretary
7.4. Official Stamp or Seal

Prof.Dr. Hakan KOCAMIS
Vice Rector
Erasmus Insititutional Coordinator

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8 INFORMATION ON THE NATIONAL HIGHER EDUCATION 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.
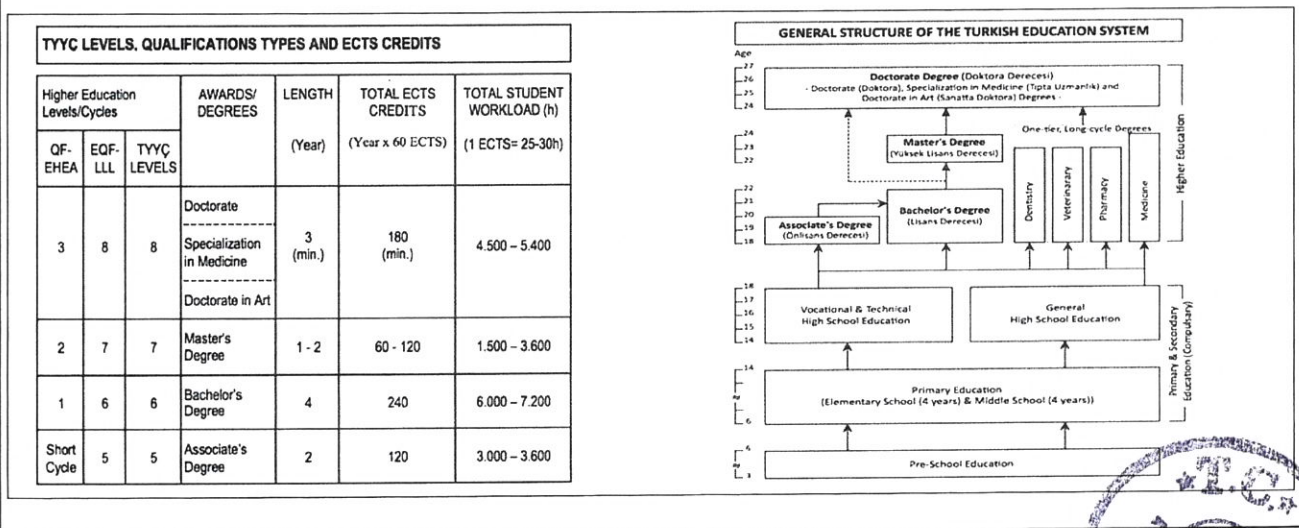
Universities consist of graduate schools (Institutes) offering second cycle (master's) and third cycle (doctorate) degree programmes, faculties offering first cycle (bachelor's degree) programmes, four-year higher schools offering first cycle (bachelor's) degree programmes with a vocational emphasis 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 consists of 8 level national framework covering all levels of educations 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.

GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM

TYYÇ LEVELS, QUALIFICATIONS TYPES AND ECTS CREDITS

Higher Education Levels/Cycles			AWARDS/ DEGREES	LENGTH	TOTAL ECTS CREDITS	TOTAL STUDENT WORKLOAD (h)
QF-EHEA	EQF-LLL	TYYÇ LEVELS		(Year)	(Year x 60 ECTS)	(1 ECTS= 25-30h)
3	8	8	Doctorate / Specialization in Medicine / Doctorate in Art	3 (min.)	180 (min.)	4.500 – 5.400
2	7	7	Master's Degree	1 - 2	60 - 120	1.500 – 3.600
1	6	6	Bachelor's Degree	4	240	6.000 – 7.200
Short Cycle	5	5	Associate's Degree	2	120	3.000 – 3.600

GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM

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