



DIPLOMA SUPPLEMENT

Diploma Date : **06.09.2010**

Diploma No : [REDACTED]

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 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) : [REDACTED]
1.2. Given name(s) : [REDACTED]
1.3. Date of birth (day/month/year) : [REDACTED]
1.4. Student identification number : [REDACTED]

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1. Name of qualification : Fizik Yüksek Lisansı
2.2. Main field(s) of study for the qualification : Physics
2.3. Name and status of awarding institution : Kocaeli Üniversitesi, Devlet Üniversitesi
Kocaeli University, State University
2.4. Name and status of institution administering studies : Same as 2.3
2.5. Language(s) of instruction/examination : Turkish

3. INFORMATION ON THE LEVEL OF QUALIFICATION

3.1. Level of qualification : Second Cycle (Master's Degree)
3.2. Official length of programme : 2 years (120 ECTS credits)
3.3. Access requirement(s) :

- First cycle degree
- Proficiency in Academic Staff and Graduate Education Examination (ALES)
- Certificate of English Proficiency

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1. Mode of study : Full - time

4.2. Programme requirements : Students must

- have a Cumulative Grade Point Average (CGPA) of not less than 3.00/4.00
- have successfully completed all the courses in the programme
- prepare a master thesis and pass a thesis defence examination to graduate.

Objectives

- To develop students' knowledge of natural sciences.
- To quantify non-abelian fields, the properties of phase transition from quark-gluon plasma phase to hadron phase, quark -gluon plasma signals.
- To provide numerical solutions of parabolic equations, finite-difference methods for non-linear equations, inverse problems.

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

First Semester					
Code	Course	Type	Local Credit	Grade	ECTS
FIZ553	Applied Numerical Methods in Physics	Req	3	B	7
FIZ557	Molecular Spectroscopy	Req	3	C	7
FIZ561	Advanced Optoelectronic	Elec	3	B	6
FIZ567	Laser Physics and Applications I	Elec	3	C	6
FIZ597	Seminar	Req	0	S	4

Second Semester					
Code	Course	Type	Local Credit	Grade	ECTS
FIZ444	Nuclear Astrophysics	Req	3	B	10
FIZ554	Plasma Physics II	Elec	3	A	10
FIZ556	Laser Physics and Applications II	Elec	3	A	10

Third Semester					
Code	Course	Type	Local Credit	Grade	ECTS
	Thesis Study	Req	-	S	30

Fourth Semester					
Code	Course	Type	Local Credit	Grade	ECTS
	Thesis Study	Req	-	S	30

Total Local Credits : 21 Total ECTS Credits : 120

Total Earned Credits = $\sum (\text{Local Credits} * \text{Grade Credits})$: 78.75

General Academic Average (CGPA = Total Earned Credits / Total Local Credits) : 3.75 out of 4.00

Req : Required; Elec : Elective

4.4. Grading scheme and grade distribution guidance:

Kocaeli University official grading system uses scores between 0 and 100. Passing grades range between 70 and 100. A grade below 70 (grade F) fails. The lettered grades, coefficients and grade intervals are as follows:

Letter	Coefficient	Grade interval (Out of 100)	Explanation
A	4.00	96-100	Excellent
B	3.75	89 - 95	Very Good
C	3.50	82 - 88	Good
D	3.25	75 - 81	Satisfactory
E	3.00	70 - 74	Sufficient
F	0.00	0 - 69	Fail
S	-	-	Pass

The grade (S) is given to the students who successfully complete the seminar course and thesis study which are not included in CGPA. Students must attend minimum 70% of theoretical part of the lectures and if available 80% of laboratory and practical sessions.

With the condition of final exam grade being minimum 70 out of 100, a student's success grade is determined by the sum of 40% of mid term grade and 60% of final grade.

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

Genel Not Ortalaması : Pek İyi – 3.75/4.00
Cumulative Grade Point Average (CGPA) : Very Good – 3.75/4.00

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

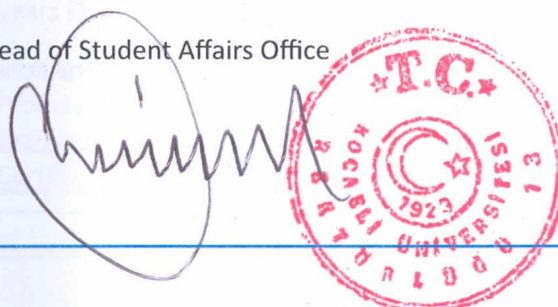
- 5.1. Access to further study : May apply to third cycle programmes.
5.2. Professional status (if applicable) : This degree enables the holder to exercise the profession.

6. ADDITIONAL INFORMATION

- 6.1. Additional information : <http://fbe.kocaeli.edu.tr/AnabilimDali.php?Kod=131>
6.2. Further information sources
University Web Site : <http://www.kocaeli.edu.tr>
The Council of Higher Education Web Site : <http://www.yok.gov.tr>
Turkish ENIC-NARIC Web Site : <http://www.enic-naric.net/index.aspx?c=Turkey>

7. CERTIFICATION OF THE SUPPLEMENT

- 7.1. Date : 08.04.2011
7.2. Name and Signature : Ömer YAZICI
7.3. Capacity : Head of Student Affairs Office
7.4. Official stamp and seal :



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 a duration of at least two years. The system consists of universities (state and non-profit foundation) and other types of higher education institutions (police and military academies and foundation vocational schools). Each university consists of faculties and schools offering First Cycle (Bachelor's level) programmes (240 ECTS), two year vocational higher schools offering Short Cycle (Associate's level) programmes (120 ECTS) of a strictly vocational nature and also graduate schools administering graduate programmes.

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

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 Second Cycle (Master's Degree) and the Third Cycle (PhD/Doctorate Degree) programmes. There are two types of Master's programmes: with or without a thesis. The Master's programmes with a thesis have 120 ECTS and consist of a minimum of seven courses, with a minimum of 21 national credits*, one seminar course, and a thesis. 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 four semesters. Non-thesis Master's programmes have 90 ECTS and consist of a minimum of 10 courses with a minimum of 30 national credits and a non-credit semester project. The semester project is graded on a pass/fail basis. Duration of the non-thesis Master's programmes is three semesters. PhD programmes have 240 ECTS and duration of eight semesters which consists of completion of a minimum of seven courses, with a minimum of 21 national credits, passing a qualifying examination, preparing and defending a doctoral dissertation. Specialization in Medicine accepted as equivalent to third cycle programmes are carried out within the faculties of medicine, university hospitals and the training hospitals owned by the Ministry of Health.

Since 2003, a change in the 1996 Regulations on Graduate Education allows Bachelor's degree holders to PhD programmes if their performance at the Bachelor's degree level is exceptionally high and their application is approved. For these students, the theoretical part of the PhD programmes consists of a minimum of 14 courses, with a minimum of 42 national credits.

* The national credit system is based on contact hours (i.e. theoretical or practical hours per week). 1.0 credit stands for each hour of lecture a week and 0.5 credit stands for each hour of laboratory or practical a week.

