

7. CERTIFICATION OF THE SUPPLEMENT

- 7.1 Date : 20.08.2010
7.2 Name and Signature : Saadet İLBAY
7.3 Capacity : Director of Student Affairs
7.4 Official Stamp or 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 four-year 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.

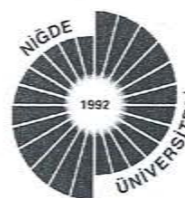
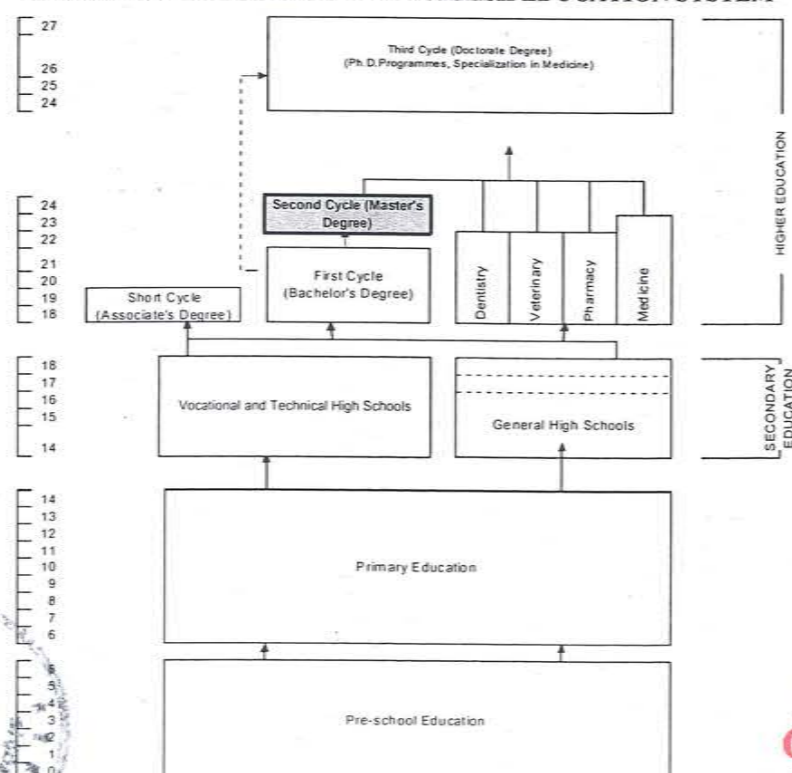
The Higher Education Law No. 2547 is the main law, which governs the higher education in Turkey. All universities (both state and non-profit foundation) are subject to the same law and regulations/rules. All state and non-profit foundation universities are founded by Law. The Higher Education System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

GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM



NİĞDE UNIVERSITY DIPLOMA SUPPLEMENT

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MASTER'S DEGREE YÜKSEK LİSANS

Diploma Date: 20.08.2010
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 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): [REDACTED]
1.2 Given name(s): [REDACTED]
1.3 Date of birth (day/month/year): [REDACTED]
1.4 Student identification number or code: [REDACTED]

2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of the qualification and title conferred (in original language):
Kimya, Yüksek Lisans Derecesi
2.2 Main field(s) of study for the qualification:
Chemistry, Second Cycle
2.3 Name and status of awarding institution (in original language):
Nigde Üniversitesi, Devlet Üniversitesi
Nigde University, State University
2.4 Name and status of institution 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:
Second Cycle (Master's Degree with thesis)
3.2 Official length of programme:
2 years, 2 semesters per year, 16 weeks per semester, 120 ECTS credits
3.3 Access requirement(s):
- Bachelor's Degree,
- Academic Centralized Graduate Entrance Exam (ALES), acceptable minimum score of 55 on ALES.

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1 Mode of study:
Full-time
4.2 Programme requirements:
The Second Cycle (Master's Degree) is awarded to students who have
- successfully completed 120 ECTS credits (54 ECTS credits for 7 graduate courses, 6 ECTS credits for a Seminar Course, 20 ECTS credits for 2 Special Topics Courses, and 40 ECTS credits for Thesis Studies taken at 2 consecutive semesters),
- a minimum Cumulative Grade Point Average (CGPA) of 2.50 out of 4.00,
- prepared and defended a thesis successfully.

Objectives of the programme:

- To help students broaden their understanding of chemical science,
- To provide students with fundamental knowledge to conduct experimental researches in chemistry laboratories or in relevant industrial organizations,
- To help students have required knowledge and understanding of fundamental facts, concepts, principles, and theories related to chemistry and the current problems at the forefront of chemistry,
- To provide students with scientific, technological and academic knowledge and skills.

Skills and competences / Key learning outcomes:

- Upon completion of the programme, the student:
- is able to analyze, evaluate, and discuss the concepts, ideas, and data in the field of chemistry by utilizing scientific methods, and to develop suggestions based on researches and findings,
 - is able to independently carry out advanced level of studies,
 - is able to apply the basic concepts of chemistry in the students' laboratories to enable the students to effectively apprehend the concept and use of laboratory instruments and materials,
 - has the information technology knowledge,
 - has the social, scientific, and ethical values while gathering, interpreting, and announcing experimental data,
 - acquires problem solving skills by applying basic chemistry knowledge into chemistry problems,
 - uses laboratory instruments and material effectively,
 - applies the chemistry knowledge to new processes,
 - conveys the scientific knowledge effectively and correctly,
 - has the skills to develop, innovate, research and work in laboratories and institutions related to the chemical industry.



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

Code	Course Name	Course Category	Grade	ECTS
Semester 1				
KIM5115	MOLECULAR STRUCTURE AND SYMMETRY	Elective	AA	8
KIM5125	ADVANCED ORGANIC REACTIONS	Elective	AA	8
MAK5127	HYDROGEN AND FUEL CELL SYSTEMS-I	Elective	AA	8
KIM5007	SEMINAR	Compulsory	S	6
Semester 2				
KIM5118	LIQUID CHROMATOGRAPHY	Elective	BA	8
KIM5123	SPECTROSCOPIC METHODS	Elective	AA	8
KIM5146	FUNCTIONAL GROUP INTERCONVERSION	Elective	AA	8
MAK5108	HYDROGEN AND FUEL CELL SYSTEMS II	Elective	AA	6
Semester 3				
KIM5003	SPECIAL TOPICS I	Compulsory	S	10
KIM5005	THESIS STUDY	Compulsory	S	20
Semester 4				
KIM5004	SPECIAL TOPICS II	Compulsory	S	10
KIM5006	THESIS STUDY	Compulsory	S	20
TOTAL CREDITS				120
CGPA				3.93/4.00

Title of Thesis:

Orta Sıcaklık Katı Oksit Yakıt Pillerindeki Oksijen İndirgenme Reaksiyonuna Etki Eden Parametrelerin Deneysel İncelenmesi

Experimental Studies of Parameters Affecting on the Oxygen Reduction Reaction in Medium Temperature Solid Oxide Fuel

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

A student is considered to be successful in a course if he/she gets one of the following grades: AA, BA, BB, CB, S, or EX. The student's academic standing is calculated in the form of Grade Point Average (GPA) out of a scale of 4.00 and announced at the end of each semester. The total grade point of a course is obtained by multiplying the grade point by the course ECTS credit. The semester GPA is calculated by dividing the total amount of grade points of courses gained in that semester by the total amount of ECTS credits of courses taken in the semester. The yearlong courses are included in the spring semester GPA. Cumulative Grade Point Average (CGPA) is calculated by dividing the total amount of grade points of all the courses in the curriculum to be taken by the total amount of 120 ECTS credits. For each course taken, the student is given one of the following letter grades and grade points:

Letter Grades:	AA	BA	BB	CB	CC	DC	DD	FD	FF
Grade Points:	4.00	3.50	3.00	2.50	2.00	1.50	1.00	0.50	0.00

Other grades:

S (Satisfactory): Satisfactory in non-credit courses

U (Unsatisfactory): Unsatisfactory in non-credit courses

P (In Progress): Successful at the end of the first semester of a yearlong course

EX (Exempt): Successful in an exemption exam held by the university

NI (Not Included): Assigned for a course not included in CGPA

NA (No Attendance): Unsuccessful because of not fulfilling the attendance and/or laboratory requirements

T (Transfer): Standing for the received course grade of the transferred students from other departments or universities. It is not included in GPA calculations.

Classification of the qualification: A student who obtains a CGPA of 2.00-2.99 is considered as a Satisfactory Student (Yeterli Öğrenci), the one who obtains a CGPA of 3.00-3.49 is considered as an Honours Student (Onur Öğrencisi), and the one who obtains a CGPA of 3.50-4.00 is considered as a High Honours Student (Yüksek Onur Öğrencisi).

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

CGPA: 3.93/4.00 YÜKSEK ONUR ÖĞRENCİSİ

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

May apply to Third Cycle programmes in the same or similar scientific areas.

5.2 Professional status (if applicable):

This degree enables the holder to exercise the profession in the field of expertise. The holder is eligible to conduct scientific researches in the field of chemistry and integrate the qualified workforces in the private or public chemical companies or factories that produce chemicals, drugs, oil or fuel products, etc. Moreover, the holder may work as a chemistry teacher in state or private high schools.

6. ADDITIONAL INFORMATION

6.1 Additional information:

Diploma Supplement web site: <http://www.nigde.edu.tr/diplomaeki/index.php?ln=en>

Graduate School of Natural and Applied Sciences web site: <http://www.nigde.edu.tr/fbe/index.php?ln=en>

Department of Chemistry web site: <http://www.nigde.edu.tr/kimyabolumu/index.php?ln=en>

6.2 Further information sources:

Nigde University web site: www.nigde.edu.tr/index.php?ln=en

International Relations Office web site: www.nigde.edu.tr/uluslararasi/index.php?ln=en

The Council of Higher Education web site: www.yok.gov.tr/en

The Turkish ENIC/NARIC web site: www.enic-naric.net/index.aspx?c=Turkey

