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 5-6 (6 months), lasts eight years and comprises elementary and middle school education, four years each. Secondary education is also a four years divided into two categories: "General High School Education" and " Vocational and Technical High School Education". The entry into these categories is through competitive exams set for secondary education.

Higher education system in Turkey is managed by the Council of Higher Education (Ogre, Yükseköğretim Kurulu-YOK), which is an autonomous public body responsible for the planning, coordination, governance and supervision of higher education within the private sector and the Constitution of the Turkish Republic and the Higher Education Law. Both state and non-profit foundation universities are founded by law and subject to the Higher Education Law and the regulations enacted in accordance with it.

Higher education in Turkey comprises post secondary higher education programmes, consisting of short, first, second, and third cycle degrees as part of the terminology of the Bologna Process. The structure of Turkish higher education degrees is based on a modular system, except for dentistry, pharmacy, medicine and veterinary medicine programs which have a one-tier system. The duration of these one-tier programs is fixed years (300 ECTS) except for medicine which lasts ten years (420 ECTS). The qualifications in these programs are approved by the Council of Higher Education. The two-tier system of cycle degrees is designed to be successful after completing full-time two-year (120 ECTS) and four-year (240 ECTS) study programmes, respectively.

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1. Name of the qualification

Metenlik, Lisans

2.2. Main fields(s) of study for the qualification

Mathematics

2.3. Name and status of awarding institution

Gebe Yüksel Teknoloji Enstitüsü, Devlet Üniversitesi

2.4. Name and type of institution administering studies

Same as 2.3

2.5. Language(s) of instruction/examination

%70 Turkish

%30 English

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1. Level of qualification

First Cycle (Bachelor's Degree)

3.2. Official length of programme

4 years, (excluding one year of English Preparatory School), 2 semesters per year, 16 weeks per semester, 240 ECTS credits

3.3. Access requirement(s)

* High school diploma,
* Placement through a nationwide Student Selection Examination (OSYS).

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1. Mode of study:

Full-time

4.2. Programme requirements

The Bachelor's Degree is awarded to the students who have
- successfully completed all courses (240 ECTS credits) in the curriculum within 8 semesters,
- maintained a minimum C.P.G.A. of 2.00 / 4.00 and no failing grades.
Programme Objectives:
The program aims to donate students with skills to develop knowledge in designing, implementing and analyzing results of systems/processes; and skills either to perform their profession or to continue their studies at post-graduate programs.

Programme Learning Outcomes:
1. Demonstrate basic knowledge of Mathematics, its scope, application, history, problems, methods, and usefulness to mankind both as a science and as an intellectual discipline.
2. Relate mathematics to other disciplines and develop mathematical models for multidisciplinary problems.
3. Identify, formulate, and analyze real world problems with mathematical or statistical techniques.
4. Work effectively in multi-disciplinary research teams.
5. Continuously develop their knowledge and skills in order to adapt to a rapidly developing technological environment.
6. Develop mathematical, communicative, problem-solving, brainwashing skills.
7. Demonstrate sufficient English to follow literature, present technical projects and write articles.
8. Utilize technology as an effective tool in investigating, understanding, and applying mathematics.
9. Demonstrate professional and ethical responsibility.

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Course Category</th>
<th>Credit</th>
<th>Grade</th>
<th>ECTS</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 110</td>
<td>INTRODUCTION TO COMPUTING</td>
<td>Required Course</td>
<td>3.0</td>
<td>AA</td>
<td>5</td>
<td></td>
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<tr>
<td>MATH 111</td>
<td>ANALYSIS I</td>
<td>Required Course</td>
<td>3.0</td>
<td>AA</td>
<td>8</td>
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<tr>
<td>MATH 112</td>
<td>LINEAR ALGEBRA I</td>
<td>Required Course</td>
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<td></td>
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<tr>
<td>PHYS 111</td>
<td>PHYSICS I</td>
<td>Required Course</td>
<td>3.0</td>
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<td></td>
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<tr>
<td>PHYS 112</td>
<td>PHYSICS LABORATORY I</td>
<td>Required Course</td>
<td>1.0</td>
<td>CC</td>
<td>2</td>
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<tr>
<td>TUR 101</td>
<td>TURKISH I</td>
<td>Required Course</td>
<td>2.0</td>
<td>CC</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

| Semester 2 | | | | | | |
| CSE 112 | INTRODUCTION TO PROGRAMMING | Required Course | 3.0 | CB | 4 |
| MATH 114 | ANALYTICAL GEOMETRY | Required Course | 3.0 | AA | 4 |
| MATH 115 | ANALYSIS II | Required Course | 3.0 | BB | 6 |
| MATH 116 | LINEAR ALGEBRA II | Required Course | 4.0 | BA | 6 |
| PHYS 121 | PHYSICS II | Required Course | 3.0 | AA | 7 |
| PHYS 122 | PHYSICS LABORATORY II | Required Course | 1.0 | CB | 2 |
| TUR 102 | TURKISH II | Required Course | 2.0 | CC | 2 |

| Semester 3 | | | | | | |
| CSE 213 | ADVANCED PROGRAMMING | Required Course | 3.5 | CC | 6 |
| ENGL 110 | READING AND SPEAKING IN A FOREIGN LANGUAGE | Required Course | 2.0 | AA | 3 |
| MATH 211 | DIFFERENTIAL EQUATIONS I | Required Course | 3.0 | AA | 1 |
| MATH 212 | ALGEBRA | Required Course | 3.5 | BA | 7 |
| MATH 213 | MATHEMATICAL ANALYSIS II | Required Course | 4.0 | BA | 8 |
| SSTR 101 | PRINCIPLES OF ATATURK AND THE HISTORY OF TURKISH REVOLUTION I | Required Course | 2.0 | BA | 2 |

4.4 Grading scheme and grade distribution guidance

If a student’s Grade Point Average (G.P.A.) is above “CC” during a given semester, he/she will be considered successful in courses in which he/she has received a grade of “DC” or “DD”. Grades received in cultural courses, such as Foreign Languages, Turkish, Principles of Atatürk and The History of Turkish Revolution, Physical Education, Music or Art will not be taken into consideration in figuring out the grade averages.

There is a 70% attendance requirement for theoretical courses, and 80% attendance requirement for independent applied laboratory courses and workshops. Those students who do not meet the attendance requirements are not eligible for taking the final exam.

Grade Point Averages (G.P.A.): The student’s standing is calculated in the form of a Grade Point Average (G.P.A.) and Cumulative Grade Point Average (C.G.P.A.), and is announced at the end of each semester by the Registrar’s Office. The total credit points for a course are obtained by multiplying the grade point by the credit hours. In order to obtain the G.P.A. for any given semester, the total credit points earned in that semester are divided by the total credit hours. Cumulative Grade Point Averages (C.G.P.A.): The sum of total credit points earned in all the courses that the student has taken is divided by the sum of all credit hours to calculate C.G.P.A.

G.P.A. and C.G.P.A. are calculated on the basis of the local grades and credits.

4.5 Overall classification of the qualification

Genel Not Ortalama: 3.66 / 4.00
Cumulative Grade Point Average: 3.66 / 4.00

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1. Access to further study
May apply to second cycle programmes

5.2. Professional status
This degree enables the holder to exercise the profession

6. ADDITIONAL INFORMATION

6.1. Additional information:
Department web site: http://www.gyte.edu.tr/kategori/5603/1/matematik.aspx

6.2. Further information sources:
University web site: www.gyte.edu.tr
Online University Catalogue: http://anbak.gyte.edu.tr/ects
The Council of Higher Education web site: www.yok.gov.tr
The Turkish ENIC-NARIC web site: www.enic-naric.net.members.asp?country=Turkey

7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date: 01.07.2011
7.2. Signature: [Signature]
7.3. Capacity: [Capacity]
7.4. Official stamp and seal: [Stamp]