

**SCİENCE EDUCATION IN PRIMARY EDUCATION PROGRAMMERS**

| 1. SEMESTER                  |                                                    |              |          |           |          |           |           |
|------------------------------|----------------------------------------------------|--------------|----------|-----------|----------|-----------|-----------|
| KOD                          | Dersin Adı                                         |              | M/E      | T         | A        | C         | ECTS      |
| ATA101                       | PRINC.OF ATATÜRK AND HISTORY OF TURKISH REVOLUTION |              | M        | 2         | 0        | 2         | 2         |
| ING101                       | ENGLISH                                            |              | M        | 2         | 0        | 2         | 2         |
| TUR101                       | TURKISH I:WRITİNG EXPRESSION                       |              | M        | 2         | 0        | 2         | 2         |
| EBB101                       | INTRODUCTION TO EDUCATION SCIENCE                  |              | M        | 3         | 0        | 3         | 5         |
| FBE121                       | GENERAL PHYSICS I                                  |              | M        | 5         | 2        | 6         | 7         |
| FBE131                       | GENERAL CHEMISTRY I                                |              | M        | 5         | 2        | 6         | 7         |
| İME181                       | GENERAL MATHEMATICS I                              |              | M        | 4         | 0        | 4         | 5         |
|                              |                                                    | <b>TOTAL</b> | <b>0</b> | <b>23</b> | <b>4</b> | <b>25</b> | <b>30</b> |
| 2. SEMESTER                  |                                                    |              |          |           |          |           |           |
| KOD                          | Dersin Adı                                         |              | M/E      | T         | A        | C         | ECTS      |
| ATA102                       | PRINC.OF ATATÜRK AND HISTORY OF TURKISH REVOLUTION |              | M        | 2         | 0        | 2         | 2         |
| ING102                       | ENGLISH                                            |              | M        | 2         | 0        | 2         | 2         |
| TUR102                       | TURKISH II :ORAL EXPRESSION                        |              | M        | 2         | 0        | 2         | 2         |
| EBB102                       | EDUCATIONAL PSYCHOLOGY                             |              | M        | 3         | 0        | 3         | 5         |
| FBE122                       | GENERAL PHYSICS II                                 |              | M        | 5         | 2        | 6         | 7         |
| FBE132                       | GENERAL CHEMISTRY II                               |              | M        | 5         | 2        | 6         | 7         |
| İME182                       | GENERAL MATHEMATICS II                             |              | M        | 4         | 0        | 4         | 5         |
|                              |                                                    | <b>TOTAL</b> | <b>0</b> | <b>23</b> | <b>4</b> | <b>25</b> | <b>30</b> |
| 3. SEMESTER                  |                                                    |              |          |           |          |           |           |
| KOD                          | Dersin Adı                                         |              | M/E      | T         | A        | C         | ECTS      |
| EBB201                       | TEACHING PRINCIPLE AND METHODS                     |              | M        | 3         | 0        | 3         | 6         |
| FBE223                       | GENERAL PHYSICS III                                |              | M        | 2         | 2        | 3         | 6         |
| FBE233                       | GENERAL CHEMISTRY III                              |              | M        | 2         | 2        | 3         | 6         |
| FBE241                       | GENERAL BIOLOGY I                                  |              | M        | 5         | 2        | 6         | 8         |
| FBE245                       | ENVIRONMENTAL SCIENCE                              |              | M        | 3         | 0        | 3         | 4         |
|                              |                                                    | <b>TOTAL</b> | <b>0</b> | <b>15</b> | <b>6</b> | <b>18</b> | <b>30</b> |
| 4. SEMESTER                  |                                                    |              |          |           |          |           |           |
| KOD                          | Dersin Adı                                         |              | M/E      | T         | A        | C         | ECTS      |
| FBE240                       | MATERIAL DEVELOPMENT AND TEACHING TECHNOLOGY       |              | M        | 2         | 2        | 3         | 5         |
| FBE242                       | GENERAL BIOLOGY I                                  |              | M        | 5         | 2        | 6         | 8         |
| FBE234                       | GENERAL CHEMISTRY IV                               |              | M        | 3         | 0        | 3         | 5         |
| FBE224                       | INTRODUCTION TO MODERN PHYSICS                     |              | M        | 3         | 0        | 3         | 4         |
| FBE262                       | SCIENCE TECHNOLOGY PROGRAM AND PLANNING            |              | M        | 3         | 0        | 3         | 5         |
| ENF202                       | INFORMATION TECHNOLOGIES IN EDUCATION              |              | M        | 2         | 0        | 2         | 3         |
|                              |                                                    | <b>TOTAL</b> | <b>0</b> | <b>18</b> | <b>4</b> | <b>20</b> | <b>30</b> |
| 5. SEMESTER                  |                                                    |              |          |           |          |           |           |
| KOD                          | Dersin Adı                                         |              | M/E      | T         | A        | C         | ECTS      |
| EBB301                       | CLASSROOM MANAGEMENT                               |              | M        | 2         | 0        | 2         | 5         |
| EBB303                       | MEASURING AND EVALUATION                           |              | M        | 3         | 0        | 3         | 5         |
| FBE347                       | GENETICS AND BIOTECHNOLOGY                         |              | M        | 4         | 0        | 4         | 5         |
| FBE301                       | SCIENCE TEACHING LABORATORY ACTIVITIES             |              | M        | 2         | 2        | 3         | 5         |
| FBE361                       | SPECIAL TEACHING METHODS I                         |              | M        | 2         | 2        | 3         | 5         |
| SEÇF349                      | SEÇMELİ DERS I                                     |              | E        | 3         | 0        | 3         | 5         |
|                              |                                                    | <b>TOTAL</b> | <b>0</b> | <b>16</b> | <b>4</b> | <b>18</b> | <b>30</b> |
| 5. SEMESTER ELECTIVE COURSES |                                                    |              |          |           |          |           |           |
| BÖK331                       | SPECIAL TOPICS IN BIOLOGY                          |              | E        | 3         | 0        | 3         | 5         |
| FÖK333                       | SPECIAL TOPICS IN PHYSICS                          |              | E        | 3         | 0        | 3         | 5         |
| KÖK335                       | PECIAL TOPICS IN CHEMISTRY                         |              | E        | 3         | 0        | 3         | 5         |
| 6. SEMESTER                  |                                                    |              |          |           |          |           |           |
| KOD                          | Dersin Adı                                         |              | M/E      | T         | U        | C         | ECTS      |
| EBB302                       | HUMAN RELATIONS AND EFFECTIVE COMMUNICATION        |              | M        | 3         | 0        | 3         | 5         |
| FBE362                       | SPECIAL TEACHING METHODS I                         |              | M        | 2         | 2        | 3         | 5         |
| FBE306                       | NATURE AND HISTORY OF SCIENCE                      |              | M        | 2         | 0        | 3         | 5         |
| FBE364                       | SCIENTIFIC RESEARCH METHODS                        |              | M        | 3         | 0        | 3         | 5         |
| SEÇF366                      | SEÇMELİ DERS I                                     |              | E        | 3         | 0        | 3         | 5         |
| SEÇF368                      | SEÇMELİ DERS II                                    |              | E        | 3         | 0        | 3         | 5         |
|                              |                                                    | <b>TOTAL</b> | <b>0</b> | <b>16</b> | <b>2</b> | <b>18</b> | <b>30</b> |

| 6. SEMESTER ELECTIVE COURSES |                                                   |       |     |    |   |    |      |
|------------------------------|---------------------------------------------------|-------|-----|----|---|----|------|
| EBB304                       | SPECIAL EDUCATION                                 |       | E   | 3  | 0 | 3  | 5    |
| EBB306                       | HISTORY OF TURKISH HIGHER EDUCATION               |       | E   | 3  | 0 | 3  | 5    |
| EBB308                       | MAINSTREAMING EDUCATION                           |       | E   | 3  | 0 | 3  | 5    |
| BDF342                       | COMPUTER-BASED SCIENCE                            |       | E   | 3  | 0 | 3  | 5    |
| İAF344                       | HUMAN ANATOMY AND PHYSIOLOGY                      |       | E   | 3  | 0 | 3  | 5    |
| ARY346                       | RESEARCH AND REPORTING TECHNIQUES                 |       | E   | 3  | 0 | 3  | 5    |
| SİE348                       | HEALTH AND FIRST-AID                              |       | E   | 3  | 0 | 3  | 5    |
|                              |                                                   |       |     |    |   |    |      |
| 7. SEMESTER                  |                                                   |       |     |    |   |    |      |
| KOD                          | Dersin Adı                                        |       | M/E | T  | A | C  | ECTS |
| EBB401                       | GUIDANCE)                                         |       | M   | 3  | 0 | 3  | 5    |
| FBE401                       | SCHOOL EXPERIENCE                                 |       | M   | 1  | 4 | 3  | 5    |
| SEÇF403                      | SEÇMELİ DERS I                                    |       | E   | 3  | 0 | 3  | 5    |
| SEÇF405                      | SEÇMELİ DERS II                                   |       | E   | 3  | 0 | 3  | 5    |
| SEÇF407                      | SEÇMELİ DERS III                                  |       | E   | 3  | 0 | 3  | 5    |
| SEÇF409                      | SEÇMELİ DERS IV                                   |       | E   | 3  | 0 | 3  | 5    |
|                              |                                                   | TOTAL | 0   | 16 | 4 | 18 | 30   |
| 7. SEMESTER ELECTIVE COURSES |                                                   |       |     |    |   |    |      |
| EBB403                       | GENDER TRAINING                                   |       | E   | 3  | 0 | 3  | 5    |
| EBB405                       | TRAINING PHILOSOPHY                               |       | E   | 3  | 0 | 3  | 5    |
| EBB407                       | EARLY CHILDHOOD EDUCATION                         |       | E   | 3  | 0 | 3  | 5    |
| GTE441                       | SOCIAL EFFECTS OF GENE TECHNOLOGY                 |       | E   | 3  | 0 | 3  | 5    |
| EOT441                       | EDUCATIONAL GAME DESIGN                           |       | E   | 3  | 0 | 3  | 5    |
| ETE441                       | TECHNOLOGY INTEGRATION IN EDUCATION               |       | E   | 3  | 0 | 3  | 5    |
| FTY443                       | TEACHING SCIENCE AND TECHNOLOGY CONSTRUCTİVİZM    |       | E   | 3  | 0 | 3  | 5    |
| İST441                       | STATISTICS                                        |       | E   | 3  | 0 | 3  | 5    |
| EVR445                       | EVOLUTION                                         |       | E   | 3  | 0 | 3  | 5    |
| AST447                       | ASTRONOMY                                         |       | E   | 3  | 0 | 3  | 5    |
| OPT447                       | OPTICAL PHYSICS                                   |       | E   | 3  | 0 | 3  | 5    |
| FTT447                       | SCIENCE, TECHNOLOGY AND SOCIETY                   |       | E   | 3  | 0 | 3  | 5    |
| 8. SEMESTER                  |                                                   |       |     |    |   |    |      |
| KOD                          | Dersin Adı                                        |       | M/E | T  | A | C  | ECTS |
| EBB402                       | TURKISH EDUCATION SYSTEM AND SCHOOL MANAGEMENT    |       | M   | 2  | 0 | 2  | 5    |
| FBE402                       | TEACHING PRACTICE                                 |       | M   | 2  | 6 | 5  | 8    |
| SEÇF404                      | SEÇİMLİK DERS I                                   |       | E   | 3  | 0 | 3  | 5    |
| SEÇF406                      | SEÇİMLİK DERS II                                  |       | E   | 3  | 0 | 3  | 5    |
| SEÇF408                      | SEÇİMLİK DERS III                                 |       | E   | 2  | 0 | 3  | 2    |
| SEÇF410                      | SEÇİMLİK DERS IV                                  |       | E   | 3  | 0 | 3  | 5    |
|                              |                                                   | TOTAL | 0   | 15 | 6 | 19 | 30   |
| 8. SEMESTER ELECTIVE COURSES |                                                   |       |     |    |   |    |      |
| EBB402                       | EFFECTIVE TEACHING AND LEARNING                   |       | E   | 3  | 0 | 3  | 5    |
| EBB408                       | EDUCATION AND ETHICAL VALUES                      |       | E   | 3  | 0 | 3  | 5    |
| EBB404                       | PROGRAM DEVELOPMENT                               |       | E   | 3  | 0 | 3  | 5    |
| LDT444                       | SCIENCE TEACHING LABORATORY ACTIVITIES            |       | E   | 3  | 0 | 3  | 5    |
| YEK440                       | RENEWABLE ENERGY SOURCES                          |       | E   | 3  | 0 | 3  | 5    |
| İYY442                       | NEW TRENDS IN SCIENCE TEACHING OF PRIM. EDUCATION |       | E   | 3  | 0 | 3  | 5    |
| BSB442                       | FEED AND HEALTHY FEEDING (NUTRITION)              |       | E   | 3  | 0 | 3  | 5    |
| ÖBT442                       | BIOLOGICAL BASES OF LEARNING                      |       | E   | 3  | 0 | 3  | 5    |
| YAN444                       | FIRE SECURITY                                     |       | E   | 3  | 0 | 3  | 5    |
| TRA442                       | TRAFFIC SAFETY                                    |       | E   | 2  | 0 | 2  | 2    |
| TCO444                       | MEDICAL GEOGRAPHY                                 |       | E   | 2  | 0 | 2  | 2    |
| THK444                       | INTRODUCTION OF TURKİSH FOLK MUSİC                |       | E   | 2  | 0 | 2  | 2    |