

**ESOGÜ Primary Education Department** (Primary School Teaching) **COURSE INFORMATION FORM**

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| **SEMESTER** | Spring |

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| **COURSE CODE** |  171412158 | **COURSE NAME** |  Basic Knowledge of Science in Primary School |

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| **SEMESTER** | **WEEKLY COURSE PERIOD** | **COURSE OF** |
| **Theory** | **Practice** | **Labratory** | **Credit** | **ECTS** | **TYPE** | **LANGUAGE** |
| 2 |  3 | 0 | 0  | 3 | 5 | COMPULSORY (X) ELECTIVE ( ) | Turkish |
| **COURSE CATAGORY** |
| **Professional Knowledge** | **Content Knowledge** | **General Knowledge**  | **Elective Course** |
|  |  |   | Professional Know.( ) Content Know.(X) Gen. Know ( ) |
| **ASSESSMENT CRITERIA** |
| **MID-TERM** | **Evaluation Type** | **Quantity** | **%** |
|  Mid-Term | 1 | 40 |
| Quiz |  |   |
| Homework |  |  |
| Project |   |   |
| Report |  |  |
| Others (………) |  |  |
| **FINAL EXAM** |   | 1 | 60 |
| **PREREQUIEITE(S)** | This course has no preliminary condition. |
| **COURSE DESCRIPTION** | General science, science, physics, chemistry and biology, basic concepts, topics and information related to daily life. |
| **COURSE OBJECTIVES** | The main objective of the course is to explain the science and scientific method to the students; basic concepts, subjects and principles related to biology, chemistry and physics. To teach basic knowledge about science subjects in primary school curriculum. |
| **ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION** | Have knowledge, skills, and value about basic science that can meet the requirements of the students in the field of Primary school teaching. |
| **COURSE OUTCOMES** | 1. Teacher candidates will learn basic concepts about science2. Teacher candidates will learn the science teaching objectives.3. Candidate prospective teachers will have knowledge of the subjects related to science in the primary school curriculum.4. Will be able to explain the scientific phenomena that have formed relations with science and daily life. |
| **TEXTBOOK** | Kiziroğlu İ., “Genel Biyoloji” 2008, Okutman YayıncılıkHalliday, D. & Resnick, R. (2002). Çeviri Editörü: Yalçın, C. Fiziğin Temelleri. Ankara: Arkadaş Yayınevi.Alpaydın, S., Şimşek, A., (2008) Genel Kimya. Ankara: Nobel. |
| **OTHER REFERENCES** |  Campbell&Reece “Biology 2006. Çeviri Editörleri: Prof.Dr. Ertunç Gündüz, Prof.Dr. Ali Demirsoy, Prof.Dr. İsmail Türkan, Palme yayıncılık |
| **TOOLS AND EQUIPMENTS REQUIRED** |   |

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| **COURSE SYLLABUS** |
| **WEEK** | **TOPICS**  |
| 1 | The subject and principles of nature / science, basic concepts of science, |
| 2 | The place of science among other sciences, historical development, |
| 3 | Basic topics in science (living things, classification of living things) |
| 4 | Basic topics in science (Cell, Human body) |
| 5 | Basic topics in science (basic concepts in physics) |
| 6 | Basic topics in science (heat-temperature, matter, mine properties) |
| 7-8 | MID-TERM EXAM  |
| 9 | Basic subjects in science (Force, movement) Objectives of science education |
| 10 | Basic topics in science (basic concepts in chemistry, elemental compound) |
| 11 | Basic topics in science (Chemical Events) |
| 12 | The aims of science education |
| 13 | Basic subjects related to science in primary school |
| 14 | Basic subjects related to science in primary school |
| 15-16 |  FINAL EXAM |

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| **NO** | **PROGRAM OUTCOMES**  | **3** | **2** | **1** |
| 1 | Be able to use Turkish language suitable for rules, effectively and properly, and to communicate effectively with students.  |  |  |  |
| 2 | Becomes a teacher who believes in principles and reforms of Atatürk, believes in democracy and the rule of law, aware of Turkish national, spiritual, moral and cultural values, and shows awareness of them in teaching profession. |  |  |  |
| 3 | Have pedagogical knowledge about his/her profession area, knowing contemporary teaching methods and techniques, methods of measurement and evaluation and applies them. |  |  |  |
| 4 | Becomes sensitive toward society, environment and human being; raising students who will be useful to society, have confidence for future, investigative, have inquiry ability and supports lifelong learning. |  **x** |  |  |
| 5 | Takes responsibility individual and group works and carry out tasks effectively. |  | **x**  |  |
| 6 | Provides individual and professional development by having lifelong learning awareness and learns learning to learn.  |  |  |  |
| 7 | Makes self assessment. | **x**  |  |  |
| 8 | Reaches knowledge about her/his profession area by using a foreign language at a basic level. |  |  |  |
| 9 | Have knowledge about concepts, theory and applications of teaching profession, general culture and basic science.  | **x** |  |  |
| 10 | Have ability of technical and pedagogical using for the purpose of information and communication technologies.  |  |  **x** |  |
| 11 | Makes most suitable teaching plans and applications by taking into account the developmental characteristics and individual differences of students, and subject area features and acquisitions. |  |  |  |
| 12 | Have information about national and international education system, structure and the historical development of the elementary teacher.  |  |  |  |
| 13 | Have respect to national culture and universal values.  |  |  |  |
| **1**:None. **2**:Partially contribution. **3**: Completely contribution. |

**Instructor(s):** Assoc. Prof. Dr. Hüseyin Anılan **Signature:**   **Date:**