



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |   |            |  |   |                                 |   |            |   |
|--|---|---|------------|--|---|---------------------------------|---|------------|---|
| Course Title                                     |   | Science Ethics and Research Ethics  |            |  |   |                                 |   |            |   |
| Course Code                                      |   | EFS155  |            | Course Level                                       |   | First Cycle (Bachelor's Degree) |   |            |   |
| ECTS Credit                                      | 3 | Workload  | 75 (Hours) | Theory   | 2 | Practice                        | 0 | Laboratory | 0 |
| Objectives of the Course                         |   | The aim of the course is to enable students to learn scientific research, ethics and ethical theories, research and publication ethics, unethical behaviors and ethical violations in research and publication process and methods to prevent them.   |            |  |   |                                 |   |            |   |
| Course Content                                   |   | Science, the nature, development and scientific research of science; ethics and ethical theories;research and publication ethics; unethical behaviors and ethical violations in the research process;ethical issues related to authorship and copyright; biased publication, editorial, arbitration and ethics;ethics of publication and unethical behaviors in the publishing process; legislation and committees on research and publication ethics; ways to identify ethical violations; common research, publication ethics violations and methods to prevent them. |            |  |   |                                 |   |            |   |
| Work Placement                                   |   | N/A   |            |  |   |                                 |   |            |   |
| Planned Learning Activities and Teaching Methods |   |   |            | Explanation (Presentation), Discussion, Case Study |   |                                 |   |            |   |
| Name of Lecturer(s)                              |   | Assoc. Prof. Ayşe ELİTOK KESİCİ, Prof. Hilal AKTAMIŞ  |            |  |   |                                 |   |            |   |

### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 40             |
| Final Examination   | 1        | 70             |

### Recommended or Required Reading

|   |   |
|---|---|
| 1 | Aydın, İ. Akademik Etik. Pegem Akademi Yayıncılık |
|---|---|

| Week | Weekly Detailed Course Contents |  |
|------|---------------------------------|--|
| 1    | Theoretical                     | Science, nature, development and scientific research                       |
| 2    | Theoretical                     | Ethics and ethical theories  |
| 3    | Theoretical                     | Research and publication ethics  |
| 4    | Theoretical                     | Unethical behavior and ethical violations in the research process          |
| 5    | Theoretical                     | Ethical issues related to authorship and copyright                         |
| 6    | Theoretical                     | Sided publication, editorship, arbitration and ethics                      |
| 7    | Theoretical                     | Unethical behaviors in publication ethics and publication process          |
| 8    | Intermediate Exam               | Midterm Exam   |
| 9    | Theoretical                     | Legislation and committees on research and publication ethics              |
| 10   | Theoretical                     | Ways to be identified in determining ethical violations                    |
| 11   | Theoretical                     | Ways to be identified in determining ethical violations                    |
| 12   | Theoretical                     | Common research, publication ethics violations and methods to prevent them |
| 13   | Theoretical                     | Common research, publication ethics violations and methods to prevent them |
| 14   | Theoretical                     | Common research, publication ethics violations and methods to prevent them |
| 15   | Theoretical                     | Common research, publication ethics violations and methods to prevent them |
| 16   | Final Exam                      | Final exam   |

### Workload Calculation

| Activity            | Quantity | Preparation | Duration | Total Workload |
|---------------------|----------|-------------|----------|----------------|
| Lecture - Theory    | 14       | 1           | 1        | 28             |
| Term Project        | 10       | 1           | 1        | 20             |
| Individual Work     | 10       | 1           | 1        | 20             |
| Midterm Examination | 1        | 2           | 1        | 3              |



|   |   |   |   |    |
|---|---|---|---|----|
| Final Examination                       | 1 | 3 | 1 | 4  |
| Total Workload (Hours)                  |   |   |   | 75 |
| [Total Workload (Hours) / 25*] = ECTS   |   |   |   | 3  |
| *25 hour workload is accepted as 1 ECTS |   |   |   |    |

### Learning Outcomes

|   |   |
|---|---|
| 1 | Student understands the theories of scientific research, ethics and ethics.   |
| 2 | Students will be able to comprehend ethics of research and publication, unethical behaviors and ethical violations in research and publication process. |
| 3 | Student knows ethical issues related to authorship and copyright.   |
| 4 | The student knows the legislation and boards related to research and publication ethics.  |
| 5 | The student knows the ways to determine the ethical violations.   |
| 6 | The student will be able to have knowledge of the common research and publication ethics violations and methods to prevent them.                        |

### Programme Outcomes (Social Studies Teacher Education )

|    |  |
|----|--|
| 1  | To be able to gain subject knowledge of profession in theory and practice in the learning process.   |
| 2  | To be able to make plans related to the subject-matter and gain the competence of using the appropriate approach, strategy, technique for the plans in the learning process.   |
| 3  | To be able to gain skills of the teaching profession in the learning process.  |
| 4  | To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.   |
| 5  | To be able to comprehend contemporary approaches of education and the philosophies they are based on.  |
| 6  | To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter.  |
| 7  | To be able to become individuals faithful to the Principles and Revolutions of Ataturk, be modern democratic, secular, protecting and deveoping one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values |
| 8  | To be able to improve oneself in terms of sport, art and culture.  |
| 9  | To be able to become individuals believing in lifelong learning.   |
| 10 | To be able to educate individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solution of these problems.   |

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

|     | L1 | L2 | L3 | L4 | L5 | L6 |
|-----|----|----|----|----|----|----|
| P1  |    |    | 4  |    |    |    |
| P3  | 4  |    |    |    |    |    |
| P4  | 4  |    |    |    |    |    |
| P5  | 4  |    |    | 4  |    |    |
| P6  |    | 4  |    |    | 4  |    |
| P7  |    | 4  |    | 4  | 4  |    |
| P8  |    |    |    |    | 4  |    |
| P9  |    |    | 4  |    |    | 4  |
| P10 |    |    | 4  |    |    | 4  |

