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| **COURSE IDENTIFICATION FORM** |
| **Course Code and Name:** **SM-5100 SCIENTIFIC RESEARCH METHODS AND ETHICS IN FEATURES** | **Department of :** |
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| **Semester** |

 | **Theoretic Hour** | **Practice Hour** | **Total Hour** | **Credits** | **ECTS** | **Education Language** | **Type: Compulsory Elective** |
| Fall | 3 | 0 | 3 | 3 | 6 | Turkish | Compulsory |
| **Prerequisite (s)** |  |
| **Instructor** | Prof. Dr. Banu KUTLU | **Mail :** **Web :** |
| **Course Assistant** |  | **Mail :****Web :** |
| **Groups / Classes** |  |  |
| **Course Aim** |  The general aim of the course is to introduce and teach students research methods. |
| **Course Goals** | * Ethical Problems in Research/Unethical Behaviors and Their Prevention, Scientific Research Methods, Scientific Research Planning: Research Problems, Hypotheses and Aims, Access to Scientific Information: Library, Digital Library, Databases, Scientific Data Collection and Measurement Methods, Data Analysis Methods and Presentation, Concepts of Validity and Reliability, Writing a Research Proposal - Preparing a 'Summary' Proposal, Research Report Preparation/Reporting Methods, Basic Rules and Examples in Article Writing
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| **Course Learning Outs and Proficiencie*s*** | * Learns the scope and foundations of scientific research.
* • Learns methods of accessing scientific information and collecting data.
* • Reads and understands scientific texts and can analyze data.
* • Learns how to prepare a research report.
* • Gain knowledge on scientific ethics and prevent unethical behavior.
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| **Course Basic and Auxiliary Contexts** | * Şener Büyüköztürk Özcan E. Akgün Şirin Karadeniz Funda Demirel Ebru Kılıç, Bilimsel Araştırma Yöntemleri, Pegem Akademi Yayıncılık, Ankara
* Cumhur Ertekin, Nihat Berker, Aslıhan Tolun, Dinçer Ülkü, “Bilimsel araştırmalarda etik ve sorunlar”, TÜBA yayınları, ISBN: 9758593129, TÜBİTAK MATBAASI, 2002
 |
| **Methods of Give a Lecture** | Face to face |

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| **Assessment Criteria** |  | **If Available, to Sign (x)** | **General Average Percentage (%) Rate** |
| **1. Quiz** | **X** | **40** |
| **2. Quiz** |  |  |
| **3. Quiz** |  |  |
| **4. Quiz** |  |  |
| **5. Quiz** |  |  |
| **Oral Examination** |  |  |
| **Practice Examination (Laboratory, Project etc.)** |  |  |
| **Final Examination** | **X** | **60** |
| **Semester Course Plan** |
| **Week** | **Subjects** |
| **1** | Introduction to Scientific Knowledge and Scientific Research Methods |
| **2** | Basic Ethical Principles in Ethics and Scientific Research |
| **3** | Ethical Issues/Unethical Behaviors in Research and Their Prevention |
| **4** | Scientific Research Methods |
| **5** | Scientific Research Methods |
| **6** | Planning in Scientific Research: Research Problems, Hypotheses and Aims |
| **7** | Access to Scientific Information: Library, Digital Library, Databases |
| **8** | Midterm |
| **9** | Scientific Data Collection and Measurement Methods |
| **10** | Data Analysis Methods and Presentation |
| **11** | Ethics and Reliability Concepts |
| **12** | Research Report Preparation/Reporting Methods and Ethic |
| **13** | Basic Rules and Examples in Article Writing |
| **14** | Final Exam |