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