

# SCIENTIFIC RESEARCH METHODS

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| 1    | Course Title:  | SCIENTIFIC RESEARCH METHODS  |   |
| 2    | Course Code:   | UAT5328  |   |
| 3    | Type of Course:  | Optional   |   |
| 4    | Level of Course:   | Second Cycle   |   |
| 5    | Year of Study:   | 1  |   |
| 6    | Semester:  | 2  |   |
| 7    | ECTS Credits Allocated:  | 5.00   |   |
| 8    | Theoretical (hour/week):   | 3.00   |   |
| 9    | Practice (hour/week):  | 0.00   |   |
| 10   | Laboratory (hour/week):  | 0  |   |
| 11   | Prerequisites:   | None   |   |
| 12   | Language:  | Turkish  |   |
| 13   | Mode of Delivery:  | Face to face   |   |
| 14   | Course Coordinator:  | Yrd.Doç.Dr. MÜSLÜM BASILGAN  |   |
| 15   | Course Lecturers:  | Yrd.Doç.Dr.Müslüm BASILGAN   |   |
| 16   | Contact information of the Course Coordinator:                       | Yrd.Doç.Dr.Müslüm BASILGAN   |   |
| 17   | Website:   |  |   |
| 18   | Objective of the Course:   | The aim of this course is to get students to be acquainted with research principles and methods. |   |
| 19   | Contribution of the Course to Professional Development:              |  |   |
| 20   | Learning Outcomes:   |  |   |
|      |  | 1  | To learn pre-research arrangements                                    |
|      |  | 2  | To learn how to design a good research.                               |
|      |  | 3  | To learn how to design a questionnaire.                               |
|      |  | 4  | To learn how to collect and analyze data.                             |
|      |  | 5  | To learn how to introduce sources and reference in an academic study. |
|      |  | 6  | To learn the presentation of an academic research.                    |
|      |  | 7  |   |
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|      |  | 10   |   |
| 21   | Course Content:  |  |   |
|      |  | <b>Course Content:</b>   |   |
| Week | Theoretical  | Practice   |   |
| 1    | Introduction to Research and the Description of the Research Problem |  |   |
| 2    | Research Design  |  |   |
| 3    | Designs of Qualitative and Quantitative Researches and Essays        |  |   |
| 4    | Assessment and evaluation  |  |   |
| 5    | Questionnaire Design   |  |   |

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| 6  | Exemplification Methods                                    |  |
| 7  | Methods of Data Collection and Data Analyses               |  |
| 8  | Preparation of Reserach Report and Presentation Techniques |  |
| 9  | Topic Selection and Hypothesis Constitution                |  |
| 10 | Writing of Research text                                   |  |
| 11 | Referring Sources and Making of Bibliography               |  |
| 12 | Scientific and Unscientific Knowledge                      |  |
| 13 | Presentation of the Scientific Research I                  |  |
| 14 | Presentation of the Scientific Research II                 |  |

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| 22 | Textbooks, References and/or Other Materials: | Remzi Altunışık, Recai Çoşkun, Serkan Bayraktaroğlu, Engin Yıldırım, Sosyal Bilimlerde Araştırma Yöntemleri SPSS Uygulamalı, 6.Baskı, Sakarya Yayıncılık.<br>Halil Seyidoğlu; Bilimsel Araştırma ve Yazma El Kitabı, 10. Baskı, Güzem Can Yayıncılık, İstanbul,2009.<br>Zeynel Dinler, Bilimsel Araştırma ve İnternete Bağlı Bilgi Merkezleri, 7. Baskı, Ekin Kitapevi |
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| 23 | Assesment |
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| TERM LEARNING ACTIVITIES  |  | NUMBER | WEIGHT |                 |                        |
|---|--|--------|--------|-----------------|------------------------|
| Midterm Exam  |  | 1      | 40.00  |                 |                        |
| Activites   |  |        | Number | Duration (hour) | Total Work Load (hour) |
| Final Exam  |  |        | 60.00  |                 |                        |
| Theoretical   |  | 14     | 3.00   | 42.00           |                        |
| Total   |  | 2      | 40.00  |                 |                        |
| Practicals/Labs   |  | 0      | 0.00   | 0.00            | 0.00                   |
| Contribution of Term (Year) Learning Activities to Self study and preperation |  |        | 40.00  |                 |                        |
| Homeworks   |  |        |        |                 |                        |
| Projects  |  |        |        |                 |                        |
| Total   |  |        | 40.00  |                 |                        |
| Field Studies   |  |        |        |                 |                        |
| Measurement and Evaluation Techniques Used in the Midterm exams               |  |        |        |                 |                        |
| Others  |  |        |        |                 |                        |
| Final Exams   |  |        |        |                 |                        |
| Total Work Load   |  |        |        |                 |                        |
| Total work load/ 30 hr  |  |        |        |                 |                        |
| ECTS Credit of the Course   |  |        |        |                 | 5.00                   |

| 25  | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |
|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
|     | PQ1   | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 5   | 4   | 0   | 0   | 3   | 0   | 0   | 4   | 0   | 0    | 0    | 3    | 0    | 0    | 0    | 0    |
| ÖK2 | 5   | 4   | 0   | 0   | 3   | 0   | 0   | 4   | 0   | 0    | 0    | 3    | 0    | 0    | 0    | 0    |
| ÖK3 | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0    | 3    | 0    | 0    | 0    | 0    |
| ÖK4 | 5   | 5   | 0   | 0   | 3   | 0   | 0   | 4   | 0   | 0    | 0    | 3    | 0    | 0    | 0    | 0    |

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| ÖK5   | 5          | 5 | 0     | 0 | 4        | 0 | 0      | 4 | 0           | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| ÖK6   | 0          | 0 | 0     | 0 | 0        | 0 | 0      | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives    PQ: Program Qualifications |            |   |       |   |          |   |        |   |             |   |   |   |   |   |   |   |
| Contribution Level:                                   | 1 very low |   | 2 low |   | 3 Medium |   | 4 High |   | 5 Very High |   |   |   |   |   |   |   |