

# ADVANCED ANALYSIS TECHNIQUES IN EDUCATIONAL RESEARCH

|      |   |  |   |
|------|---|--|---|
| 1    | Course Title:   | ADVANCED ANALYSIS TECHNIQUES IN EDUCATIONAL RESEARCH   |   |
| 2    | Course Code:  | OKU6120  |   |
| 3    | Type of Course:   | Optional   |   |
| 4    | Level of Course:  | Third Cycle  |   |
| 5    | Year of Study:  | 1  |   |
| 6    | Semester:   | 2  |   |
| 7    | ECTS Credits Allocated:                                 | 4.00   |   |
| 8    | Theoretical (hour/week):                                | 2.00   |   |
| 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:                                     | Doç. Dr. MERAL TANER DERMAN  |   |
| 15   | Course Lecturers:                                       | -  |   |
| 16   | Contact information of the Course Coordinator:          | Dr. Öğr. Üyesi Meral TANER DERMAN<br>mtaner@uludag.edu.tr<br>0224 2942184<br>Adres: Bursa Uludağ Üniversitesi Eğitim Fakültesi Temel Eğitim Bölümü Görükle Yerleşkesi<br>Nilüfer / Bursa |   |
| 17   | Website:  |  |   |
| 18   | Objective of the Course:                                | The aim of the course is to demonstrate the application of advanced quantitative research techniques.  |   |
| 19   | Contribution of the Course to Professional Development: | Students taking this course will be able to apply advanced quantitative data analysis techniques using statistical programs such as SPSS and AMOS.                                       |   |
| 20   | Learning Outcomes:                                      |  |   |
|      |   | 1  | To be able to have information about computer programs for statistical analysis     |
|      |   | 2  | Ability to organize the collected data using the appropriate data collection method |
|      |   | 3  | To be able to recognize parametric and nonparametric tests                          |
|      |   | 4  | Ability to test data using appropriate advanced statistical analysis                |
|      |   | 5  | Tabulating the values obtained as a result of data analysis                         |
|      |   | 6  | To be able to interpret the values obtained as a result of data analysis            |
|      |   | 7  | Ability to report analysis results appropriately                                    |
|      |   | 8  |   |
|      |   | 9  |   |
|      |   | 10   |   |
| 21   | Course Content:   |  |   |
|      |   | <b>Course Content:</b>   |   |
| Week | Theoretical   | Practice   |   |
| 1    | Parametric and nonparametric tests                      |  |   |



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|---|------------|---|---|-------|---|---|----------|---|---|--------|---|---|-------------|---|---|---|---|
| ÖK2   | 5          | 5 | 1 | 1     | 1 | 1 | 1        | 0 | 0 | 0      | 0 | 0 | 0           | 0 | 0 | 0 | 0 |
| ÖK3   | 5          | 5 | 1 | 1     | 1 | 1 | 1        | 0 | 0 | 0      | 0 | 0 | 0           | 0 | 0 | 0 | 0 |
| ÖK4   | 1          | 5 | 1 | 1     | 1 | 1 | 1        | 0 | 0 | 0      | 0 | 0 | 0           | 0 | 0 | 0 | 0 |
| ÖK5   | 1          | 5 | 1 | 5     | 1 | 1 | 1        | 0 | 0 | 0      | 0 | 0 | 0           | 0 | 0 | 0 | 0 |
| ÖK6   | 1          | 1 | 5 | 5     | 5 | 1 | 1        | 0 | 0 | 0      | 0 | 0 | 0           | 0 | 0 | 0 | 0 |
| ÖK7   | 1          | 5 | 1 | 5     | 1 | 1 | 1        | 0 | 0 | 0      | 0 | 0 | 0           | 0 | 0 | 0 | 0 |
| LO: Learning Objectives    PQ: Program Qualifications |            |   |   |       |   |   |          |   |   |        |   |   |             |   |   |   |   |
| Contrib<br>ution<br>Level:                            | 1 very low |   |   | 2 low |   |   | 3 Medium |   |   | 4 High |   |   | 5 Very High |   |   |   |   |