# STATISTICS

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| 1 | Course Title: | STATISTICS | |
| 2 | Course Code: | OSPS049 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | Short Cycle | |
| 5 | Year of Study: | 2 | |
| 6 | Semester: | 4 | |
| 7 | ECTS Credits Allocated: | 3.00 | |
| 8 | Theoretical (hour/week): | 1.00 | |
| 9 | Practice (hour/week): | 2.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Öğr. Gör. Dr. MERVE AKÇA | |
| 15 | Course Lecturers: | Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği Öğretim Elemanları | |
| 16 | Contact information of the Course Coordinator: | Öğr.Gör.Dr.Merve AKÇA<br>mascioglu@uludag.edu.tr<br>BUÜ Mustafakemalpaşa MYO | |
| 17 | Website: | | |
| 18 | Objective of the Course: | To establish the interdisciplinary relationship between today's business world and statistics, to collect data, learn appropriate methods, analyze and interpret them with these methods. | |
| 19 | Contribution of the Course to Professional Development: | Ability to analyze and interpret using correct methods. | |
| 20 | Learning Outcomes: | | |
| | | **1** | Understands the definition of statistics and masters the basic concepts. |
| | | **2** | Learns data collection and organization methods. |
| | | **3** | Learns to analyze data with appropriate methods. |
| | | **4** | Learns how statistics are interpreted in daily life. |
| | | **5** | Interprets all kinds of data with the help of graphs and tables. |
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| 21 | Course Content: | | |

**Course Content:**

| Week | Theoretical | Practice |
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| 1 | Basic Concepts and Areas of Use of Statistics | Sample solution for professional use |
| 2 | Organization of Data and Series Types; Simple series, Frequency series, Classified series | Creating series, converting series into each other |

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| **3** | Organization of Data and Series Types; Simple series, Frequency series, Classified series | Creating series examples with professional content, converting series into each other |
| **4** | Data Tables and Graphs | Creating series tables, drawing graphs |
| **5** | Time Series, Space Series and Their Graphs | Creating time and space series, drawing graphs |
| **6** | Averages; Arithmetic, Geometric, Squared averages | Calculating averages of series |
| **7** | Averages; Mode and Median | Calculating averages of series |
| **8** | Measures of Variability: Variance, Standard deviation and Coefficient of Variation | Calculating variability measures of series |
| **9** | Measures of Variability: Variance, Standard deviation and Coefficient of Variation | Calculating variability measures of series |
| **10** | Measures of Variability: Variance, Standard deviation and Coefficient of Variation | Calculating variability measures of series |
| **11** | Measures of Variability: Variance, Standard deviation and Coefficient of Variation | Calculating variability measures of series |
| **12** | Indices | Calculating and interpreting series indices |
| **13** | Indices | Calculating and interpreting series indices |
| **14** | Indices | Calculating and interpreting series indices |

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| **22** | Textbooks, References and/or Other Materials: |
| **23** | Assesment |

| Activites | | Number | Duration (hour) | Total Work Load (hour) |
|---|---|---|---|---|
| Quiz | 0 | 0.00 | 0.00 | 0.00 |
| Assignment | 1 | 60.00 | 2.00 | 28.00 |
| Projects | 0 | 0.00 | 0.00 | 0.00 |
| Midterm exams | 1 | 60.00 | 10.00 | 10.00 |
| Final Exams | 1 | 60.00 | 12.00 | 12.00 |
| Contribution of Term (Year) Learning Activities to Success Grade | | 40.00 | | |
| Contribution of Final Exam to Success Grade | | 60.00 | | |
| Measurement and Evaluation Techniques Used in the Course | | Measurement and evaluation is carried out according to | | |
| Theoretical | | 14 | 1.00 | 14.00 |
| Practicals/Labs | | 14 | 2.00 | 28.00 |
| Self Study and preperation | | 14 | 2.00 | 28.00 |
| Homeworks | | 0 | 0.00 | 0.00 |
| Presentation | | 0 | 0.00 | 0.00 |
| Field Studies | | 0 | 0.00 | 0.00 |
| Others | | 0 | 0.00 | 0.00 |
| Total Work Load | | | | 92.00 |
| Total work load/ 30 hr | | | | 3.07 |
| **24 ECTS / WORK LOAD TABLE** | | | | |
| ECTS Credit of the Course | | | | 3.00 |

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

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| **ÖK5** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |

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