# AYDIN ADNAN MENDERES UNIVERSITY
## COURSE INFORMATION FORM

| Course Title | | Scientific Research Methods | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Course Code | | HSH533 | | Couse Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 2 | Workload | 55 *(Hours)* | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | The main goal of the course ist to improve the understanding of scientific research and to criticise research articles and write simple research proposa | | | | | | | |
| Course Content | | Scientific research and scientific research process, Data collection and analysis processes, The concept and basic principles of publication ethics | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Demonstration, Discussion, Case Study | | | | | |
| Name of Lecturer(s) | | Prof. Filiz ABACIGİL, Prof. Filiz ADANA | | | | | | | |

## Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---|---|---|
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

## Recommended or Required Reading

| | |
|---|---|
| 1 | Creswell, J. W. (2014). Nitel, Nicel Araştırma Deseni ve Karma Yöntem Yaklaşımları (Çev. Ed. S. B. Demir), Eğiten Kitap, Ankara |
| 2 | Creswell, J. W. (2009). Research Design: Quantitative, Qualitative, and Mixed Methods Approaches, 3rd Edition, Thousand Oaks, CA: Sage |
| 3 | Day, R.A. (1996). Bilimsel Bir Makale Nasıl Yazılır ve Yayımlanır? (Çev.: G. A. Altay). TÜBİTAK, Ankara. |
| 4 | Karasar, N. (2004). Araştırmalarda Rapor Hazırlama, 12. Baskı, Nobel Yayın Dağıtım, Ankara |
| 5 | Karasar, N. (2005). Bilimsel Araştırma Yöntemi: Kavramlar, İlkeler, Teknikler, 15. Baskı, Nobel Yayın Dağıtım, Ankara |
| 6 | Lawrence, N. (2010). Toplumsal Araştırma Yöntemleri, Nitel ve Nicel Yaklaşımlar (Çev.: S. Özge), Yayın Odası, İstanbul |
| 7 | Seyitoğlu, H. (2003). Bilimsel Araştırma ve Yazma, Gizem Yayınları, İstanbul. |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | Scientific research and scientific research process |
| 2 | Theoretical | Scientific research methods (Qualitative Research) |
| 3 | Theoretical | Scientific research methods (Quantitative Research) |
| 4 | Theoretical | Measurement instruments used in scientific research |
| 5 | Theoretical | Data collection and analysis processes |
| 6 | Theoretical | Validity and reliability concepts |
| 7 | Theoretical | Identification of research problem and hypothesis |
| 8 | Intermediate Exam | EXAM |
| 9 | Theoretical | Data Collection Tools |
| 10 | Theoretical | Methods used in the analysis of data |
| 11 | Theoretical | Ethics in scientific research |
| 12 | Theoretical | Ethics in scientific research |
| 13 | Theoretical | Scientific article writing techniques |
| 14 | Theoretical | Scientific article writing techniques |
| 15 | Theoretical | Scientific article writing techniques |
| 16 | Final Exam | FINAL |

## Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 1 | 1 | 28 |
| Midterm Examination | 1 | 10 | 1 | 11 |

| Final Examination | 1 | 15 | 1 | 16 |
|---|---|---|---|---|
| | | | Total Workload (Hours) | 55 |
| | | [Total Workload (Hours) / 25*] = **ECTS** | | 2 |

*\*25 hour workload is accepted as 1 ECTS*

## Learning Outcomes

| 1 | To understand the scientific research techniques |
|---|---|
| 2 | To understand and to analyze the ethical aspects of certain situations related to science and technology |
| 3 | To comprehend ethical theories,scientific research and publication ethics and all aspects of the concept of professional ethics |
| 4 | To design and conduct a scientific research in accordance with ethical rules |
| 5 | To design and conduct a scientific research in accordance with ethical rules |

## Programme Outcomes *(Occupational Health Nursing Master's Without Thesis)*

| 1 | Student has the current theoretical and practice knowledge in Master's degree in Occupational Nursing field based on his previous learning in bachelor's degree, student realizes the knowledge, deepens and uses it |
|---|---|
| 2 | Student brings solutions to the issues which require expertise and is related to the Occupational Nursing Student solves the problem, he/she evalvates the results obtained and applies as needed |
| 3 | To be able to create new information by integrating different disciplinary in Occupational Nursing field. |
| 4 | Student shares and discusses his/her knowledge, current developments and his/her own researches systematically with groups from or outside of his/her field in written, verbal, or visual way |
| 5 | Student follows based on evidence practices and makes researches creating evidence about professional application in his/her own field. |
| 6 | Student manages researches about his/her field independently or in an team |
| 7 | Student has information on statistics, uses related soft wares efficiently, chooses correct statistical methods while making researches, has the skills to calculate and comment. |
| 8 | Student using research and statistical information can write report of the researches he/she made or participated and publishes it in an internationally accepted refereed journal or presents it in academic meetings |
| 9 | Student can make strategy and policy in topics related to Occupational Nursing, comments practice plans, and evaluates obtained results in scientific and ethical frame |

## Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

| | L1 | L2 | L3 | L4 | L5 |
|---|---|---|---|---|---|
| P1 | 3 | 3 | 3 | 3 | 3 |
| P2 | 4 | | | | |
| P3 | 4 | 3 | 3 | 3 | 3 |
| P4 | 4 | 4 | 4 | 4 | 4 |
| P5 | 4 | 4 | 4 | 4 | 4 |
| P6 | 4 | 3 | 3 | 3 | 3 |
| P7 | 5 | 4 | 4 | 4 | 4 |
| P8 | 5 | 4 | 4 | 4 | 4 |
| P9 | 3 | 4 | 4 | 4 | 4 |