



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
HISTOLOGY AND EMBRYOLOGY
HISTOLOGY AND EMBRYOLOGY (MEDICAL)
HISTOLOGY AND EMBRYOLOGY (MEDICAL) MASTER'S WITHOUT THESIS
COURSE INFORMATION FORM

| | | | | | | | | | |
|--------------------------------------------------|-------------------------------------------------------------|--------------|------------|--------------------------------|---|----------|---|------------|---|
| Course Title | Scientific Research Methods | | | | | | | | |
| Course Code | THE537 | Course Level | | Second Cycle (Master's Degree) | | | | | |
| ECTS Credit | 2 | Workload | 56 (Hours) | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | LEARNING SCIENTIFIC RESEARCH TECHNIQUES | | | | | | | | |
| Course Content | APPLY THE SCIENTIFIC RESEARCH TECHNIQUES | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Discussion, Project Based Study | | | | | | | | |
| Name of Lecturer(s) | Prof. Alpaslan GÖKÇİMEN | | | | | | | | |

Assessment Methods and Criteria

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

Recommended or Required Reading

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|---|-------------------------------------|
| 1 | INTRODUCTION TO SCIENTIFIC RESEARCH |
|---|-------------------------------------|

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|-------------------------------------------|
| 1 | Theoretical | STAGES IN THE RESEARCH PROCESS |
| 2 | Theoretical | SCREENING |
| 3 | Theoretical | HYPOTHESIS |
| 4 | Theoretical | METHOD DETERMINATION |
| 5 | Theoretical | MAKING DATA COLLECTION PLAN |
| 6 | Theoretical | DECISION MAKING THE SAMPLE TO BE SELECTED |
| 7 | Theoretical | CHECKING DATA COLLECTING VEHICLE |
| 8 | Intermediate Exam | MID-TERM EXAM |
| 9 | Theoretical | RESEARCH PLAN WRITING |
| 10 | Theoretical | APPLICATION OF DATA COLLECTION PLAN |
| 11 | Theoretical | RESEARCH WRITING |
| 12 | Theoretical | RESEARCH WRITING |
| 13 | Theoretical | PUBLISHING |
| 14 | Theoretical | GENERAL OVERVIEW |
| 15 | Theoretical | GENERAL OVERVIEW |
| 16 | Final Exam | FINAL EXAM |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|------------------|----------|-------------|---------------------------------------|----------------|
| Lecture - Theory | 14 | 2 | 2 | 56 |
| | | | Total Workload (Hours) | 56 |
| | | | [Total Workload (Hours) / 25*] = ECTS | 2 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

| | |
|---|-----------------------------------|
| 1 | MAKING A SCIENTIFIC RESEARCH PLAN |
| 2 | SCANNING ARTICLE |
| 3 | HYPOTHESIS |
| 4 | EXPERIMENTING |



5 PUBLISHING

Programme Outcomes (*Histology and Embryology (Medical) Master's Without Thesis*)

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|---|-----------------------------------------------------------------------------------------------------------|
| 1 | To have detailed information about cell structure and function at microscopic level |
| 2 | To have theoretical and practical knowledge about experimental methods used in histology |
| 3 | To know the ethical rules for publishing and presenting a scientific study |
| 4 | To have sufficient knowledge about the laboratory methods used in fertilization and assisted reproduction |
| 5 | to have enough knowledge about the general characteristics of human embryology |

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 | 4 | 4 | 4 |
| P2 | 3 | 3 | 3 | 4 | 4 |
| P3 | 3 | 3 | 4 | 3 | 4 |
| P4 | 3 | 3 | 4 | 4 | 3 |
| P5 | 4 | 3 | 4 | 3 | 4 |

