# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

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|---|---|---|---|---|---|---|---|---|---|
| Course Title | Cadaver Storage Techniques, Methods of Dissection | | | | | | | | |
| Course Code | TAN503 | | Couse Level | Second Cycle (Master's Degree) | | | | | |
| ECTS Credit | 4 | Workload | 100 *(Hours)* | Theory | 2 | Practice | 2 | Laboratory | 0 |
| Objectives of the Course | Working on the lifeless body name as dissection is the basis of the anatomy education. In order to use the long-term storage and must be embalmed cadaver. The aim of this course to teach basic informations fort he preparation and storage cadaver. | | | | | | | | |
| Course Content | The embalming process, the history, principles and precautions to be taken during the process of embalming.<br>Chemicals used for embalming and features<br>Embalming solution preparation and use<br>Embalming solutions distribution and diffusion of<br>Anatomy of the regions used for embalming<br>Selection and dissection of the vessels used in the embalming process | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Demonstration, Case Study, Individual Study | | | | | | | | |
| Name of Lecturer(s) | Lec. Eda Duygu İPEK, Prof. Ilgaz AKDOĞAN | | | | | | | | |

| **Assessment Methods and Criteria** | | |
|---|---|---|
| Method | Quantity | Percentage (%) |
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

| **Recommended or Required Reading** | |
|---|---|
| 1 | Shearer’s Manual of Human Dissection (Jacops JJ.) |
| 2 | Cunningham’s Manuel of Practical Anatomy (Romanes GJ.) |
| 3 | Topographical Anatomy Accessibility Dissection (Mesut R, Yıldırım M.) |
| 4 | Anatomy Practice Book (Erem T, Çimen A.) |
| 5 | Sobotta Human Anatomy Atlas. R. Putz, R. Pabst, 3 Cilt, (Türkçe Çeviri) 7. Baskı, Beta Publishing, Münih, 2011, ISBN 9786053775010 |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Preparation Work | Individual Work |
| 2 | Theoretical | Cadaver preparation solutions, the chemical and possible toxic effects |
| | Practice | Preparation of solution |
| | Laboratory | Preparation of solution |
| | Preparation Work | Individual Work |
| 3 | Theoretical | Basic tissues (skin, fascia, blood vessels, muscle, nerve, etc.) dissection technique |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 4 | Theoretical | Head and neck regions: Face dissection |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 5 | Theoretical | Head and neck regions: neck dissection |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 6 | Theoretical | Head and neck regions: the opening of the skull |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 7 | Theoretical | Upper side and chest regions: Arm, forearm and hand dissection |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |

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|---|---|---|
| 8 | Theoretical | Upper side and chest areas: dissection of axillary |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 9 | Theoretical | Upper side and chest areas: the opening of the thoracic cavity |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 10 | Theoretical | Bottom of the abdomen areas: the abdomen and the opening of the inguinal canal |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 11 | Theoretical | Bottom of the abdomen areas: thighs, legs and feet |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 12 | Theoretical | Bottom of the abdomen areas: dissection of the pelvis and perineum |
| | Practice | Working on cadavers |
| | Preparation Work | Individual Work |
| 13 | Preparation Work | Individual Work |
| 14 | Theoretical | General Repetition |
| | Preparation Work | Individual Work |

**Workload Calculation**

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 2 | 1 | 42 |
| Lecture - Practice | 14 | 1 | 2 | 42 |
| Assignment | 14 | 1 | 0 | 14 |
| Final Examination | 1 | 1 | 1 | 2 |
| | | | Total Workload (Hours) | 100 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 4 |

**25 hour workload is accepted as 1 ECTS*

**Learning Outcomes**

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|---|---|
| 1 | Know and apply all the methods used in the determination of the primary methods for embalming |
| 2 | Learn about the ethical and legal issues in detecting cadavers |
| 3 | To be able to solve the problems during the pre-and post-implementation |
| 4 | To know and use tools and equipment used in embalming |
| 5 | To know types of chemicals used in embalming, mechanisms of action and toxicities |
| 6 | To be able to do all cadaver dissection |

**Programme Outcomes** *(Anatomy (Medical) Master)*

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|---|---|
| 1 | Be able to acquire enough knowledge and use of the infrastructure about Human anatomy and clinical anatomy, terminology |
| 2 | To use information on the science of anatomy study areas. |
| 3 | Anatomy is associated with other related disciplines to comprehend and to synthesize interdisciplinary interaction |
| 4 | Obtain the information about Systematic and topographical anatomy of the human-oriented structures, functions and their relationship with each other. |
| 5 | Create problems and solutions related fields to reveal the anatomy, experimental methods to gain the ability to solve the hypothesis. |
| 6 | Literature search ability, reading scientific papers, be able to evaluation and follow-up-to-date information |
| 7 | To be able to prepare the article in the science of anatomy |
| 8 | To be able to present papers in the field of science of anatomy |
| 9 | To gain enough discipline and experience related to anatomy and tobe an expert. |
| 10 | To have professional ethics and responsibility |

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

| | L1 | L2 | L3 | L4 | L5 | L6 |
|---|---|---|---|---|---|---|
| P1 | 5 | 4 | 5 | 4 | 5 | 4 |
| P2 | 5 | 4 | 5 | 4 | 5 | 4 |

| | | | | | | |
|---|---|---|---|---|---|---|
| P3 | 5 | 4 | 5 | 4 | 5 | 4 |
| P4 | 5 | 4 | 5 | 4 | 5 | 4 |
| P5 | 5 | 4 | 5 | 5 | 5 | 4 |
| P6 | 5 | 4 | 5 | 5 | 5 | 4 |
| P7 | 5 | 4 | 5 | 5 | 5 | 4 |
| P8 | 5 | 4 | 5 | 3 | 5 | 4 |
| P9 | 5 | 4 | 5 | 3 | 5 | 4 |
| P10 | 5 | 4 | 5 | 3 | 5 | 4 |