



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|--|------------|---|---|--------------------------------|---|------------|---|
| Course Title | | Respiratory System | | | | | | | |
| Course Code | | VHE532 | | Course Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 3 | Workload | 75 (Hours) | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | The aim of course is to teach nasal cavity, respiratory mucosa, nasopharynx, larynx, trachea, lungs. | | | | | | | |
| Course Content | | Nasal cavity, respiratory mucosa, nasopharynx, larynx, trachea, lungs. | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Experiment, Demonstration, Discussion, Individual Study | | | | | |
| Name of Lecturer(s) | | | | | | | | | |

Assessment Methods and Criteria

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

Recommended or Required Reading

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| 1 | Sağlam M, Aştı RN, Özer A. (2001) Genel Histoloji Ders Kitabı, Yorum Matbaacılık, Ankara |
| 2 | Tanyolaç A. (1999) Özel Histoloji Ders Kitabı, Yorum Matbaacılık, Ankara |
| 3 | Alberts, B., Johnson, A., Lewis, J., Raff, M., Roberts, K., Walter, P. (2008). Molecular Biology of the Cell, Garland Science, U.S.A. |
| 4 | Banks, W.J. (1986). Applied Veterinary Histology, Williams&Wilkins, U.S.A. |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|---|
| 1 | Theoretical | General structure of respiratory system |
| 2 | Theoretical | General structure of respiratory system |
| 3 | Theoretical | Nasal cavities |
| 4 | Theoretical | Features of respiratory mucosa |
| 5 | Theoretical | Pharynx |
| 6 | Theoretical | Larynx |
| 7 | Theoretical | Trachea |
| 8 | Intermediate Exam | Midterm |
| 9 | Theoretical | Bronchi |
| 10 | Theoretical | Bronchi |
| 11 | Theoretical | Bronchioles |
| 12 | Theoretical | Bronchioles |
| 13 | Theoretical | Cell types in the interalveolar septum |
| 14 | Theoretical | Blood-air barrier |
| 15 | Theoretical | Article discussion |
| 16 | Final Exam | Final exam |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Assignment | 1 | 4 | 1 | 5 |
| Midterm Examination | 1 | 15 | 1 | 16 |
| Final Examination | 1 | 25 | 1 | 26 |
| Total Workload (Hours) | | | | 75 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 3 |

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

| | |
|---|--|
| 1 | The student learns nasal cavity, respiratory mucosa and nasopharynx. |
| 2 | The student learns larynx and trachea. |
| 3 | The student learns lungs. |
| 4 | Learns the air-blood barrier. |
| 5 | Learns respiratory epithelial cells. |

Programme Outcomes (*Histology and Embryology (Veterinary Medicine) Master*)

| | |
|----|---|
| 1 | Gains expert knowledge on the function and basic histological features of cells, tissues and systems in animals |
| 2 | Gains expert knowledge on the stages of embryonal and fetal development in both mammals and birds |
| 3 | Comprehends and defines interactions among disciplines related to histology-embryology. |
| 4 | Knows national and international laws and regulations concerning histology and embryology. |
| 5 | Determines and uses laboratory equipment and consumables in a histology laboratory. |
| 6 | Forms ideas to solve complex problems using theoretical and practical information gained throughout the histology/embryology education. |
| 7 | Integrates and interprets information in the area of histology/embryology with information in different fields and, if the need arises, provides scientific information and solutions to solve problems. |
| 8 | Performs his/her expertise with the recognition of the rights and responsibilities obtained with the completion of the master of Science in histology/embryology. |
| 9 | Develop alternative strategies to solve national and international problems in the field of histology/embryology using expert knowledge and expertise in histology/embryology obtained during his/her training, solves them and evaluates the data . If the need arises, takes a part as a team member to solve problems outside his/her field. |
| 10 | Takes responsibility in individual and collective work and completes his/her duties.Takes professional and ethical responsibilities. |
| 11 | Comprehends methods associated with attainment and presentation of scientific information. |
| 12 | Evaluates his/her expert information gained during the master of Science critically and determines new information and sources of information and attends to activities to complement his/her educational deficiencies |
| 13 | For his/her professional development, evaluates and uses any available information and activity in his/her studies. |
| 14 | If the need arises, gives information and organizes activities to define a problem in his/her field of expertise. |
| 15 | Takes responsibilities in professional organizations and committees related to his/her field of expertise. |
| 16 | Relying on his/her professional skills and rights, he/she plans and realizes projects with the conciseness of social responsibility. He/she follows the developments in the world and is sensitive to events. |
| 17 | In order to maintain his/her professional development and to have social interactions, he/she uses at least one foreign language. |
| 18 | Uses advanced technological means that might be necessary for both professional applications and social interactions. |
| 19 | Reviews, evaluates and interprets any data (field observations, available scientific information etc.) towards a specific purpose. Develops and uses strategies in his/her field of expertise. |
| 20 | Applies and defines his/her expert knowledge with realizing the needs of the region and the country. |

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

| | L1 | L2 | L3 |
|-----|----|----|----|
| P1 | 5 | 5 | 5 |
| P5 | 4 | 4 | 4 |
| P14 | 3 | 3 | 3 |

