



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |  |                     |   |   |                                |   |            |   |
|--|---|--|---------------------|---|---|--------------------------------|---|------------|---|
| Course Title                                     |   | Aerobic Gram Positive Rods and Infections  |                     |   |   |                                |   |            |   |
| Course Code                                      |   | MİK535   |                     | Couse Level   |   | Second Cycle (Master's Degree) |   |            |   |
| ECTS Credit                                      | 2 | Workload   | 51 ( <i>Hours</i> ) | Theory  | 2 | Practice                       | 0 | Laboratory | 0 |
| Objectives of the Course                         |   | The objective of this course is to give information about aerobic gram positive rods and infections.   |                     |   |   |                                |   |            |   |
| Course Content                                   |   | The classification of aerobic gram positive bacterias. Bacillus sp. and infections. Listeria, Corynebacters, Nocardioform and other gram positive rods and their infections. |                     |   |   |                                |   |            |   |
| Work Placement                                   |   | N/A  |                     |   |   |                                |   |            |   |
| Planned Learning Activities and Teaching Methods |   |  |                     | Explanation (Presentation), Demonstration, Discussion, Case Study |   |                                |   |            |   |
| Name of Lecturer(s)                              |   | Lec. Hafize Tuğba YÜKSEL DOLGUN  |                     |   |   |                                |   |            |   |

### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 20             |
| Final Examination   | 1        | 60             |
| Assignment          | 1        | 20             |

### Recommended or Required Reading

|   |   |
|---|---|
| 1 | Koneman's Color Atlas and Textbook of Diagnostic Microbiology |
| 2 | Bergey's manual of systematic bacteriology                    |
| 3 | Concise Review of Veterinary Microbiology                     |
| 4 | Veteriner Bakteriyoloji                                       |

| Week | Weekly Detailed Course Contents |  |
|------|---------------------------------|--|
| 1    | Theoretical                     | Classification of aerobic gram positive bacteria   |
| 2    | Theoretical                     | Classification of aerobic gram positive bacteria   |
| 3    | Theoretical                     | Bacillus species and infections                    |
| 4    | Theoretical                     | Bacillus species and infections                    |
| 5    | Theoretical                     | Bacillus species and infections                    |
| 6    | Theoretical                     | Listeria infections                                |
| 7    | Theoretical                     | Listeria infections                                |
| 8    | Intermediate Exam               | Midterm Examination                                |
| 9    | Theoretical                     | Corynebacterium sp. infections                     |
| 10   | Theoretical                     | Corynebacterium sp. infections                     |
| 11   | Theoretical                     | Other aerobic gram positive bacilli and infections |
| 12   | Theoretical                     | Other aerobic gram positive bacilli and infections |
| 13   | Theoretical                     | Nocardioforms and infections                       |
| 14   | Theoretical                     | Nocardioforms and infections                       |
| 15   | Theoretical                     | Discussion   |

### Workload Calculation

| Activity                              | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory                      | 14       | 0           | 2        | 28             |
| Assignment                            | 1        | 0           | 2        | 2              |
| Laboratory                            | 14       | 0           | 0.5      | 7              |
| Midterm Examination                   | 1        | 5           | 1        | 6              |
| Final Examination                     | 1        | 7           | 1        | 8              |
| Total Workload (Hours)                |          |             |          | 51             |
| [Total Workload (Hours) / 25*] = ECTS |          |             |          | 2              |

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

|   |  |
|---|--|
| 1 | 1. To be able to define Bacillus sp.   |
| 2 | 2. To be able to define Listeria infections  |
| 3 | 3. To be able to list Corynebacterium sp. and other gram positive bacilli and infections |
| 4 | 4. To be able to use the necessary information   |
| 5 | To know the reproductive characteristics of aerobic gram positive bacilli.               |

**Programme Outcomes** (*Microbiology (Veterinary Medicine) Master*)

|   |  |
|---|--|
| 1 | Department has the ability to identify and apply information about bacteriology, virology, mycology and has the ability to recognize diseases about veterinary medicine. |
| 2 | Department has the ability to take the advantage of technology and has the ability to diagnose, treat and prevent the diseases by using appropriate equipments.          |
| 3 | Department has the ability to analyze the epidemiological compounds of an animal population and has the ability to get precautions.                                      |
| 4 | Department has the ability to test or analyze the diseases and has the ability to evaluate the results.  |
| 5 | Department has the ability to perform, produce and conclude projects for scientific researches   |
| 6 | Department has the ability to donate theoretical and practical knowledge about postgraduate students in the are of microbiology.   |
| 7 | Graduate students has the ability to perform scientific researches.  |

**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 | 5  | 4  | 5  | 5  | 4  |
| P2 | 5  | 4  | 5  | 5  | 4  |
| P3 | 4  | 5  | 4  | 4  | 4  |
| P4 | 4  | 4  | 5  | 5  | 5  |
| P5 | 5  | 5  | 4  | 4  | 4  |
| P6 | 4  | 3  | 5  | 5  | 3  |
| P7 | 5  | 5  | 3  | 5  | 5  |

