



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|--|----------------------|--|---|--------------------------------|---|------------|---|
| Course Title | | Clinical Microbiology I | | | | | | | |
| Course Code | | HEK521 | | Course Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 6 | Workload | 150 (<i>Hours</i>) | Theory | 2 | Practice | 3 | Laboratory | 0 |
| Objectives of the Course | | To recognize microorganisms that cause disease in man and to distinguish them clinically. | | | | | | | |
| Course Content | | Microorganisms that cause disease in man; General and clinical features of bacteria, viruses, fungi, parasites; Clinical diagnostic methods. | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Experiment, Discussion, Individual Study | | | | | |
| Name of Lecturer(s) | | Lec. Güliz UYAR GÜLEÇ, Lec. Selcen ÖNCÜ | | | | | | | |

Assessment Methods and Criteria

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

Recommended or Required Reading

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| 1 | Murray Medical Microbiology |
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| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|--|
| 1 | Theoretical | General microbiology |
| 2 | Theoretical | Pathogenesis of infection, |
| 3 | Theoretical | The general characteristics of the bacteria, |
| 4 | Theoretical | The general characteristics of viruses, |
| 5 | Theoretical | The general characteristics of fungi, |
| 6 | Theoretical | General characteristics of parasites |
| 7 | Theoretical | Basic immunology, |
| 8 | Theoretical | Midterm exam |
| 9 | Theoretical | Approach to infectious diseases, |
| 10 | Theoretical | Clinical sampling methods, |
| 11 | Theoretical | Painting methods, |
| 12 | Theoretical | Culture methods, |
| 13 | Theoretical | Serological tests, |
| 14 | Theoretical | Molecular tests, |
| 15 | Theoretical | Final exam |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 13 | 2 | 2 | 52 |
| Lecture - Practice | 13 | 1 | 3 | 52 |
| Midterm Examination | 1 | 8 | 2 | 10 |
| Final Examination | 1 | 35 | 1 | 36 |
| Total Workload (Hours) | | | | 150 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 6 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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| 1 | To know the microorganisms that cause human diseases in clinic |
| 2 | To be able to detail disease-causing microorganisms by applying appropriate diagnostic methods |
| 3 | To know the general characteristics of bacteria |
| 4 | To know the general characteristics of viruses |



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| 5 | To know the general characteristics of mushrooms |
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Programme Outcomes (*Hospital Infection Control Interdisciplinary Master*)

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|----|--|
| 1 | Being knowledgeable in the field of hospital infection control and related scientific fields |
| 2 | To be able to use knowledge learned in hospital infection control research area and related science fields |
| 3 | Being knowledgeable about the methods and applications used in the field of hospital infection control |
| 4 | To be aware of the legal practices and details of hospital infection control |
| 5 | To be able to develop different strategies for hospital infection control |
| 6 | Designing and implementing trainings to inform the health personnel and the public in the field of hospital infection control and evaluating the results |
| 7 | To follow current researches in the field of hospital infection control and make critical evaluations |
| 8 | To be able to do team work in the field of hospital infection control, to work together with different disciplines to develop common strategies |
| 9 | To contribute to the solution of social, scientific, cultural and ethical problems in the field of hospital infection control and to support the development of these values |
| 10 | Being able to develop research and learning awareness throughout life and to keep information up-to-date |

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 | 4 | 4 | 4 | 4 | 4 |
| P2 | 4 | 4 | 4 | 4 | 4 |
| P3 | 4 | 4 | 4 | 4 | 4 |
| P4 | 4 | 4 | 4 | 4 | 4 |
| P5 | 4 | 4 | 4 | 4 | 4 |
| P6 | 4 | 4 | 4 | 4 | 4 |
| P7 | 4 | 4 | 4 | 4 | 4 |
| P8 | 4 | 4 | 4 | 4 | 4 |
| P9 | 4 | 4 | 4 | 4 | 4 |
| P10 | 4 | 4 | 4 | 4 | 4 |

