**T.C. MALTEPE UNIVERSITY FACULTY OF MEDICINE**

**UNDERGRADUATE PROGRAM
2023-2024 ACADEMIC YEAR**

**EDUCATIONAL INFORMATION PACKAGE**

| **COURSE INFORMATION** |
| --- |
| **Course Name** | **Infectious Diseases Clerkship** | **Course Code** | **MED 515** |
| **Phase**  | 5 | **Level of the Course** | Undergraduate | **Language of the Course** | English |
| **Mode of Delivery** | Face to face, E-Learning , hybrid | **Lesson Type** | Compulsory |
| **Practice/Laboratuary Site** | Maltepe University Medical Faculty Hospital,  | **Suggested Courses** | None |
| **Prerequisite** | 1. MED 100 2. MED 2003. MED 3004. Phase 4 | Concurrent Requirements:None |

| **ECTS**  |
| --- |
| **ECTS Credits** | **Theoretical Lecture Hours** | **Practical Hours** | **Course Duration** |
| 4 | 26 | 34 |  |

| **COURSE COORDINATORS AND INSTRUCTORS** |
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| **Course Coordinator, Contact Details and Office Hours:** Aslı Karadeniz, MD, Assistant Professor, Maltepe University, Faculty of Medicine asli.karadeniz@maltepe.edu.tr extension: 2126**Office Hours:** Friday: 10:00-11:00 p.m.

| **Contact information and office hours of the Academic Staff:** Prof. Dr. Ayşe Wilke TopçuAssoc.Prof. Dr.Aslı KaradenizAssoc.Prof. Dr.Pınar ÖngürüAssist. Prof. Dr. Şafak Göktaş  |
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| **GENERAL OBJECTIVE AND CATEGORY OF THE COURSE** |
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| To learn general information about the etiology, epidemiology, diagnosis and pathogenesis, laboratory findings, clinical features and treatments of infectious diseases and preventive-preventive approach to common infectious diseases and healthcare-associated infections in the community.

| **COURSE CATEGORY** |
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| 1. Basic vocational course
 | **x** |
| 1. Specialization / Field Course
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| 1. Support lectures
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| 1. Transferable skill courses
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| 1. Humanities, Communication and Management skill courses
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| **COURSE LEARNING OUTCOMES, SUB-SKILLS and COMPETENCIES** |
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| **Students completing this course;**

| **Sequence No.** | **Learning Output / Sub - Skills / Competencies** | **Education method** | **MR Method** |
| --- | --- | --- | --- |
| **1** | Can list the principles of obtaining information about the complaint from the incoming patient,  | EY2, EY4, EY5 | ÖD1, ÖD4,  |
| **2** | Students are able to summarize diagnosis, differential diagnosis and treatment modalities of infectious diseases. | EY2, EY4, EY5 | ÖD1, ÖD4, |
| **3** | Students are able to learn clinical microbiological practices. | EY2, EY4, EY5 | ÖD1, ÖD4, |
| **4** | Students are able to diagnose nosocomial infections and summarize the prevention measures for nosocomial infections. | EY2, EY4, EY5 | ÖD1, ÖD4 |
|  |  |  |  |

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| **GENERAL COMPETENCIES:** |
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| 1. Productive
2. Rational
3. Creative
4. Ethical
5. Respectful to differences
6. Sensitive to social issues
7. able to use own language effectively
8. Sensitive to environment
9. Able to use a foreign language effectively
10. Able to adapt to different social roles in various situations
11. Able to work as a team member
12. Able to use time effectively
13. Having a critical mind
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| **COURSE CONTENTS** |
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| The aim of this course is to cover the ways of transmission, epidemiological features, diagnosis and treatment of infections caused by bacteria, viruses, parasites and fungi acquired in the community and in the hospital, and ways to prevent these diseases. The subject of the course has been expanded to include HIV/AIDS and other sexually transmitted diseases, opportunistic infections that develop in patients with underlying diseases and diseases that adversely affect host resistance, and protection from these infections, as well as classical infections. At the end of this course, students will know the approach, treatment and prevention of common infectious diseases in our country and will be able to refer cases that require further examination and treatment to the infection clinic. |

| **COURSE TEXTBOOKS AND SUPPLEMENTARY READINGS** |
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| **Textbooks**Ed.Mandell, and Practice of Infectious Diseases. Seventh edition**Supplemantary Readings** Ed. Ayşe Wilke, Enfeksiyon Hastalıkları ve Klinik Mikrobiyolojisi |

| **COURSE ASSESSMENT AND EVALUATION SYSTEM** |
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| **Studies during the year** | **Percent grade** |
| --- | --- |
| **Clerkship Examination**  | **%50** |
| **Structured Oral Examination**  | **%50** |
| **ICE (İş Başı Değerlendirme)** | - |
| **OSCE (Structured Subjective Clinical Examination)** | - |
| **Attendance**  | - |
| **Laboratory** | - |
| **Clinical Practice** | - |
| **Field study** | - |
| **Lesson Specific Internship** (if there is)  | - |
| **Homework** | - |
| **Presentation** | - |
| **Project** | - |
| **Seminar** | - |
| **Problem Based Learning** | - |
| **Others** | - |
| **TOTAL** | **100** |

**NOTES:**Assessment and Evaluation System is organized according to T.C. Maltepe University Faculty of Medicine Education and Training Regulations. |

| **ECTS STUDENT WORKLOAD TABLE** |
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| **Activities** | **Number** | **Duration****(hours)** | **Total work load** |
| --- | --- | --- | --- |
| **Lectures** | **26** | **1** | **26** |
| **Laboratory** | **-** | **-** | **-** |
| **Practice** | **34** | **1** | **34** |
| **Lesson specific internship** (if there is)  | **-** | **-** | **-** |
| **Field study** | **-** | **-** | **-** |
| **Lesson study time out of class** (pre work, strengthen, etc) | **10** | **2** | **20** |
| **Presentation / Preparing seminar** | **1** | **5** | **5** |
| **Project** | **-** | **-** | **-** |
| **Homework** | **-** | **-** | **-** |
| **Midterm examinations** | **-** | **-** | **-** |
| **Clerkship Examination**  | **1** | **10** | **10** |
| **Total work load**  | **95** |

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| **RELATIONSHIP BETWEEN INFECTIOUS DISEASES CLERKSHIP LEARNING OUTCOMES AND MEDICAL EDUCATION PROGRAMME KEY LEARNING OUTCOMES** |
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| **No** | **Curriculum competencies /Output**  | **Contribution level[[1]](#footnote-0)\*** |
| --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| **1** | To describe normal structure and function of the organism  |  |  | **X** |  |  |
| **2** | To describe the pathogenesis, clinical and diagnostic properties of the diseases  |  |  |  |  | **X** |
| **3** | To be able to take the history of the patient and to do the general or systemic based examinations  |  |  |  |  | **X** |
| **4** | To be able to treat life threatening emergency diseases and to refer the patient when necessary.. |  |  |  |  | **X** |
| **5** | To be able to perform basic medical intervention for diagnosis and treatment of the diseases.  |  |  |  | **X** |  |
| **6** | To be able to perform the preventive medicine and legal medicine applications. |  |  |  | **X** |  |
| **7** | To have the general knowledge concerning structuring and functioning of National Health System  |  |  | **X** |  |  |
| **8** | To be able to describe the legal responsabilities and ethical principles  |  |  | **X** |  |  |
| **9** | To be able to perform the first-line treatment of frequent diseases in the community with effective methods based on scientific data.  |  |  |  |  | **X** |
| **10** | To organize scientific meetings and conduct projects  |  | **X** |  |  |  |
| **11** | To speak a foreign language to keep up with the current medical literature. To know statistical and computing methods in such extent to evaluate scientific studies  |  | **X** |  |  |  |

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| **PHASE 5 MED 515 INFECTIOUS DISEASES CLERKSHIP COURSE LIST AND RANKING** |
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| **Sequence No.** | **Subject/Competence** | **Instructor** |
| --- | --- | --- |
| 1 | **Approach to Infectious Diseases** | Şafak Göktaş |
| 2 | **Antimicrobials** | Şafak Göktaş |
| 3 | **AIDS** | Şafak Göktaş |
| 4 | **Fever** | Şafak Göktaş |
| 5 | **Acute gastroenteritis** | Şafak Göktaş |
| 6 | **Hepatitis** | Şafak Göktaş |
| 7 | **Tetanus** | Şafak Göktaş |
| 8 | **Brucellosis** | Şafak Göktaş |
| 9 | **Rabies** | Şafak Göktaş |
| 10 | **Malaria**  | Şafak Göktaş |
| 11 | **Antrax** | Şafak Göktaş |
| 12 | **CNS Infections** | Şafak Göktaş |
| 13 | **Emerging Infectious Diseases-Travel associated Infectious Diseases** | Şafak Göktaş |
| 14 | **Sepsis** | Şafak Göktaş |
| 15 | **Zoonotic Diseases (CCHF etc)** | Şafak Göktaş |
| 16 | **Nosocomial Infections** | Şafak Göktaş |
| 17 | **Endocarditis** | Şafak Göktaş |
| 18 | **Tularemia** | Şafak Göktaş |
| 19 | **Toxoplasmosis** | Şafak Göktaş |
| 20 | **Salmonella** | Şafak Göktaş |

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| **PHASE 5 MED 515 INFECTIOUS DISEASES CLERKSHIP SCHEDULE** |
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| **TARİH** | **DERSİN SAATİ** | **DERSİN ADI** | **ÖĞRETİM ÜYESİ** |
| --- | --- | --- | --- |
| **MONDAY** | 09.00-09.50 | Orientation  | Aziz Hamidi |
|  | 10.00-10.50 | **Laboratory training** | Aziz Hamidi |
|  | 11.00-11.50 | **Laboratory training** | Aziz Hamidi |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | **Apprpach to Infectious Diseases** | Şafak Göktaş |
|  | 14.30-15.20 | **Apprpach to Infectious Diseases** | Şafak Göktaş |
|  | 15.30-16.30 | **Antimicrobials** | Şafak Göktaş |
| **TSDY** | 09.00-09.50 | **Laboratory training** | Aziz Hamidi |
|  | 10.00-10.50 | **Laboratory training** | Aziz Hamidi |
|  | 11.00-11.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | Antimicroials | Şafak Göktaş |
|  | 14.30-15.20 | **AIDS** | Şafak Göktaş |
|  | 15.30-16.30 | **AIDS** | Şafak Göktaş |
| **WNSDAY** | 09.00-09.50 | **Laboratory training** | Aslı Karadeniz |
|  | 10.00-10.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | 11.00-11.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | **Fever** | Şafak Göktaş |
|  | 14.30-15.20 | **Acute gastroenteritis** | Şafak Göktaş |
|  | 15.30-16.30 | Hepatitis | Şafak Göktaş |
| **THURSDY** | 09.00-09.50 | **Laboratory training** | Aziz Hamidi |
|  | 10.00-10.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | 11.00-11.50 | **Tetanus** | Şafak Göktaş |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | **Brucellosis** | Şafak Göktaş |
|  | 14.30-15.20 | **Rabies** | Şafak Göktaş |
|  | 15.30-16.30 | Malaria | Şafak Göktaş |
| **FRIDAY** | 09.00-09.50 | **Laboratory training** |  |
|  | 10.00-10.50 | **Bedside training/ Outpatient Clinic** |  |
|  | 11.00-11.50 | **Bedside training/ Outpatient Clinic** |  |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | **Antrax** | Şafak Göktaş |
|  | 14.30-1520 | **CNS Infections** | Şafak Göktaş |
|  | 15.30-1620 | **CNS Infections** | Şafak Göktaş |
| **monday** | 09.00-09.50 | **Laboratory training** | .Aslı Karadeniz |
|  | 10.00-10.50Asss | **Emerging Infectious Diseases-Travel associated Infectious Diseases** | Şafak Göktaş |
|  | 11.00-11.50 | **Emerging Infectious Diseases-Travel associated Infectious Diseases** | Şafak Göktaş |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | **Sepsis**  | Şafak Göktaş |
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|  | 14.30-15.20 | **Sepsis** | Yrd.Doç.Dr.Aslı Karadeniz |
| --- | --- | --- | --- |

 | 14.30-15.20 | **Zoonotic Diseases (CCHF etc)** | Şafak Göktaş |
|  | 15.30-16.30 | **Zoonotic Diseases (CCHF etc)** | Şafak Göktaş |
| **tuesday** | 09.00-09.50 | **Laboratory training** | .Aslı Karadeniz |
|  | 10.00-10.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | 11.00-11.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | **Nosocomial Infections** | Şafak Göktaş |
|  | 14.30-15.20 | **Nosocomial Infections** | Şafak Göktaş |
|  | 15.30-16.30 | Endocarditis | Şafak Göktaş |
| **Wenesday** | 09.00-09.50 | **Laboratory training** | Aslı Karadeniz |
|  | 10.00-10.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | 11.00-11.50 | **Bedside training/ Outpatient Clinic** | Aziz Hamidi |
|  | ÖĞLE ARASI |  |  |
|  | 13.30-14.20 | Tularemia | Şafak Göktaş |
|  | 14.30-15.20 | Toxoplasmosis | Şafak Göktaş |
|  | 15.30-16.30 | Salmonella | Şafak Göktaş |
| **THRS** |  | **EXAM** |  |
| **FRIDAY** |  | **EXAM** |  |

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| **EDUCATIONAL METHODS GUIDE** |
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| **CODE** | **METHOD NAME** | **EXPLANATION** |
| --- | --- | --- |
| **EM1** | Amphitheatre lesson | These are the courses applied in preclinical education where the whole class is together. |
| **EM2** | Class lesson | These are courses applied in small groups during the clinical period. |
| **EM3** | Lab application | These are laboratory courses applied in the preclinical period. |
| **EM4** | Skill Training App | It is the work that the student does on a model or mannequin before meeting with the real patient, which will be done in the Virtual Clinic or other environment. |
| **EM5** | Clinic Education | These are activities that provide clinical competence by applying bedside training with real patients or models under the supervision of trainers. |
| **EM6** | Independent Study Hours | These are the periods in the curriculum for the student to repeat what they have learned and to prepare for new lesson sessions. |
| **EM7** | Community Based Education Application | Field practices, non-unit professional practices, etc. includes. |
| **EM8** | Problem Based Learning | Problem based learning. |
| **EM9** | Private Study module | These are applications that will enable the student to gain in-depth knowledge about a subject individually or as a group. |
| **EM10** | Scientific Research study | These are applications aimed at improving the scientific research competence of the student. |
| **EM11** | Other | If this code is used, the training method should be written in detail. |

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| **MEASUREMENT EVALUATION METHODS GUIDE** |
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| **CODE** | **METHOD NAME** | **EXPLANATION** |
| --- | --- | --- |
|  **ME1** | Theoretical Exam ( Multiple Elective , Multiple Optional etc Questions containing ) | The committee is the exam used in the final exams. |
|  **ME2** | Practical exam | It should be used for laboratory applications. |
| **ME3** | Classical Verbal |  |
| **ME4** | Structured Oral | It is an oral exam in which questions and answers are prepared on a form beforehand. |
| **ME5** | OSCE | Objective Structured Clinical Examination |
| **ME6** | CORE | Clinical Act Execution Exam |
| **ME7** | ICE ( Business head Evaluation ) | It is the evaluation made by the trainer on the student at the bedside or during the practice. |
| **ME8** | Other | A statement must be made. |

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1. \*1 lowest, 2 low, 3 moderate, 4 high, 5 highest.as indicated [↑](#footnote-ref-0)