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

**UNDERGRADUATE PROGRAM
2023-2024 ACADEMIC YEAR**

**EDUCATIONAL INFORMATION PACKAGE**

| **COURSE INFORMATION** |
| --- |
| **Course Name** | **Forensic Medicine Clerkship** | **Course Code** | **MED 503** |
| **Phase**  | 5 | **Level of the Course** | Undergraduate | **Language of the Course** | English |
| **Mode of Delivery** | Face to face, E-Learning or Hybrid | **Lesson Type** | Compulsory |
| **Practice/Laboratuary Site** | Maltepe University Medical Faculty Hospital,  | **Suggested Courses** | None |
| **Prerequisite** | 1. MED 100 2. MED 2003. MED 3004. All courses in Phase 4 | Concurrent Requirements:None |

| **ECTS**  |
| --- |
| **ECTS Credits** | **Theoretical Lecture Hours** | **Practical Hours** | **Course Duration** |
| 2 | 42 | 8 | 2 weeks |

| **COURSE COORDINATORS AND INSTRUCTORS** |
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| **Course Coordinator, Contact Details and Office Hours:** Kağan GÜRPINAR, MD, Assist. Prof., Maltepe University, Faculty of Medicine kagangurpinar@maltepe.edu.tr, Internal tel no: 2955 **Office Hours:** Tuesday: 10.00-11.00

| **Instructors, Contact Details and Office Hours:** Kağan GÜRPINAR, MD, Assist. Prof., Maltepe University, Faculty of Medicine kagangurpinar@maltepe.edu.tr, Internal tel no: 2955 **Office Hours:**Tuesday: 10.00-11.00Mukadder ERBİLGİN, MD, Assist. Prof., Maltepe University, Faculty of Medicine mukaddererbilgin@gmail.com, Internal tel no: 2955 **Office Hours:**Tuesday: 10.00-11.00 |
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| **GENERAL OBJECTIVE AND CATEGORY OF THE COURSE** |
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| To gain basic knowledge and skills about Forensic Medicine and Forensic Sciences.

| **COURSE CATEGORY** |
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| 1. Basic vocational course
 | **x** |
| 1. Specialization / Field Course
 |  |
| 1. Support lectures
 |  |
| 1. Transferable skill courses
 |  |
| 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** | Knows the concept of forensic cases and recognizes forensic cases | EY2, EY5, EY6, EY7 | ÖD1, ÖD3 |
| **2** | Knows how to approach forensic cases and can perform proper examination | EY2, EY5, EY6, EY7 | ÖD1, ÖD3 |
| **3** | Knows appropriate reporting techniques according to the type of forensic case. | EY2, EY5, EY6, EY7 | ÖD1, ÖD3 |
| **4** | Can examine the dead and decide whether an autopsy is needed. | EY2, EY5, EY6, EY7 | ÖD1, ÖD3 |
| **5** | Knows the systematic autopsy technique | EY2, EY5, EY6, EY7 | ÖD1, ÖD3 |

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| **GENERAL COMPETENCIES:** |
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| 1. Productive
2. Rational
3. Questioner
4. Entrepreneur
5. Creative
6. Ethical
7. Respectful to differences
8. Sensitive to social issues
9. Sensitive to environment
10. Able to use own language effectively
11. Able to use a foreign language effectively
12. Able to adapt to different social roles in various situations
13. Able to work as a team member
14. Able to use time effectively
15. Having a critical mind
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| **COURSE CONTENTS** |
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| Teaching good medicine practices in line with the concepts and principles related to forensic medicine in the provision of health services. To acquire a scientific and systematic approach to clinical forensic cases (forensic case concept, traumatic person examination, approach to torture cases, abuse and sexual assault examination, alcohol and drug use, forensic psychiatry, expert witness etc.) and forensic deaths. Gaining appropriate reporting skills according to the type of forensic case. It is to teach the current methods applied in order to determine the cause of death, origin, time of death, etc., by performing autopsy in forensic deaths. |

| **COURSE TEXTBOOKS AND SUPPLEMENTARY READINGS** |
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| **Textbooks**1) DiMaio VJM, Molina DK, DiMaio's Forensic Pathology. ISBN 9780367251482: CRC Press; 2021 2) Dokgöz H (ed.), Adli Tıp ve Adli Bilimler. Ankara: Akademisyen Yayınevi; 20193) Stark MM, Clinical Forensic Medicine. ISBN 9781617792571: Humana Press; 20114) Koç S, Can M (ed.), Birinci Basamakta Adli Tıp. İstanbul: İstanbul Tabip Odası; 20115) Polat O, İnanıcı MA, Aksoy ME, Adli Tıp Ders Kitabı. İstanbul: Nobel Tıp Kitapevi; 19976) Gök Ş, Adli Tıp. İstanbul: Filiz Kitabevi; 1983 **Further Reading:** 1) Saukko P, Knight B, Knight's Forensic Pathology. ISBN 9780340972533: CRC Press; 20152) Polat O, Adli Tıp. İstanbul: Der Yayınları; 2000 |

| **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)** | %0 |
| **OSCE (Structured Subjective Clinical Examination)** | %0 |
| **Attendance**  | %0 |
| **Laboratory** | %0 |
| **Clinical Practice** | %0 |
| **Field study** | %0 |
| **Lesson Specific Internship** (if there is)  | %0 |
| **Homework** | %0 |
| **Presentation** | %0 |
| **Project** | %0 |
| **Seminar** | %0 |
| **Problem Based Learning** | %0 |
| **Others** | %0 |
| **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** | **42** | **1** | **42** |
| **Laboratory** | **-** | **-** | **-** |
| **Practice** | **8** | **1** | **8** |
| **Lesson specific internship** (if there is)  | **-** | **-** | **-** |
| **Field study** | **-** | **-** | **-** |
| **Lesson study time out of class** (pre work, strengthen, etc) | **-** | **-** | **-** |
| **Presentation / Preparing seminar** | **-** | **-** | **-** |
| **Project** | **-** | **-** | **-** |
| **Homework** | **-** | **-** | **-** |
| **İnterval examinations** | **-** | **-** | **-** |
| **Clerkship Examination**  | **1** | **2** | **2** |
| **Total work load**  | **52** |

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| **RELATIONSHIP BETWEEN FORENSIC MEDICINE CLERKSHIP LEARNING OUTCOMES AND MEDICAL EDUCATION PROGRAMME KEY LEARNING OUTCOMES** |
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| **No** | **Program Competencies/ Outcomes** | **Level of Contribution[[1]](#footnote-0)\*** |
| --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| **1** | Able to explain the normal structure and functions of the organism. |  |  | X |  |  |
| **2** | Able to explain the pathogenesis, clinical and diagnostic features of psychiatric disorders |  |  |  | X |  |
| **3** | Able to take history and perform mental status examination. |  |  |  |  | X |
| **4** | Able to perform first step interventions and refer and transfer cases in life threatening emergency situations. |  |  |  | X |  |
| **5** | Able to perform necessary basic medical interventions for the diahnosis and treatment of mental |  |  | X |  |  |
| **6** | Able to perform preventive measures and forensic practices. |  |  |  |  | X |
| **7** | Having sufficient knowledge about the structure and process of the National Health System. |  |  |  | X |  |
| **8** | Able to define legal responsibilities and ethical principles.  |  |  |  |  | X |
| **9** | Able to perform first step care of most prevalent disorders in the community with effective evidence based medical methods. |  |  | X |  |  |
| **10** | Able to organize and implement scientific meetings and projects  |  |  |  | X |  |
| **11** | Able to use a major foreign language sufficient enough for follow up of literature and update of medical knowledge; able to use computer and statistical skills for the evaluation of scientific studies.  |  |  |  | X |  |

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| **PHASE 5 MED 503 FORENSIC MEDICINE CLERKSHIP COURSE LIST AND RANKING** |
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| **No** | **Course/Competence** | **Trainer** |
| --- | --- | --- |
| 1 | Forensic Sciences and Forensic Medicine (Theoretical: 2 Hours) | Kağan Gürpınar |
| 2 | Concept of Forensic Case (Theoretical: 1 Hour) | Kağan Gürpınar |
| 3 | Asphyxia (Theoretical: 2 Hours) | Kağan Gürpınar |
| 4 | Firearms (Theoretical: 2 Hours) | Kağan Gürpınar |
| 5 | Forensic Psychiatry (Theoretical: 2 Hours) | Kağan Gürpınar |
| 6 | Preparation of Forensic Reports (Theoretical: 2 Hours, Practice: 4 Hours) | Kağan Gürpınar |
| 7 | Guide to Evaluation of Injury Offenses Defined in the TPC (Theoretical: 2 Hours) | Kağan Gürpınar |
| 8 | Domestic Violence and Child Abuse (Theoretical: 2 Hours) | Kağan Gürpınar |
| 9 | Alcohol (Theoretical: 1 Hour) | Kağan Gürpınar |
| 10 | Informed Consent (Theoretical: 1 Hour) | Kağan Gürpınar |
| 11 | Regional Injuries (Theoretical: 2 Hours) | Kağan Gürpınar |
| 12 | Sexual Offenses and Forensic Medical Examination (Theoretical: 2 Hours) | Kağan Gürpınar |
| 13 | Electric Current Injuries (Theoretical: 1 Hour) | Kağan Gürpınar |
| 14 | Ethics - Human Rights (Theoretical: 2 Hours) | Kağan Gürpınar |
| 15 | Legal Liability of Physicians (Theoretical: 1 Hour) | Kağan Gürpınar |
| 16 | Medicolegal Autopsy (Theoretical: 2 Hours, Practical 4 Hours) | Kağan Gürpınar |
| 17 | Death/Dead Examination/Death Certificate Issuance (Theoretical: 8 Hours) | Kağan Gürpınar |
| 18 | Perinatal Pathology and Child Mortality (Theoretical: 1 Hour) | Kağan Gürpınar |
| 19 | Postmortem Changes (Theoretical: 1 Hour) | Kağan Gürpınar |
| 20 | Toxic Gases (Theoretical: 1 Hour) | Kağan Gürpınar |
| 21 | Drugs / Stimulants / Narcotic and Other Toxic Substances (Theoretical: 2 Hours) | Kağan Gürpınar |
| 22 | Wounds (Theoretical: 2 Hours) | Kağan Gürpınar |

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| **PHASE 5 MED 503 FORENSIC MEDICINE CLERKSHIP SCHEDULE** |
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| **1. Week** |
| Days | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8.30-9.30 | Forensic Sciences and Forensic Medicine  | Firearms  | Preparation of Forensic Reports  | Guide to Evaluation of Injury Offenses Defined in the TPC  | Regional Injuries  |
| 9.30-10.30 | Forensic Sciences and Forensic Medicine  | Firearms  | Preparation of Forensic Reports  | Guide to Evaluation of Injury Offenses Defined in the TPC  | Regional Injuries  |
| 10.30-11.30 | Concept of Forensic Case | Forensic Psychiatry  | Preparation of Forensic Reports  | Domestic Violence and Child Abuse  | Sexual Offenses and Forensic Medical Examination  |
| 11.30-12.30 | Asphyxia | Forensic Psychiatry  | Preparation of Forensic Reports  | Domestic Violence and Child Abuse  | Sexual Offenses and Forensic Medical Examination  |
| 12.30-13.30 | Asphyxia | Free Hour | Preparation of Forensic Reports  | Alcohol | Electric Current Injuries |
| 13.30-14.30 | Free Hour | Free Hour | Preparation of Forensic Reports  | Informed Consent | Free Hour |
| 14.30-15.30 | Free Hour | Free Hour | Free Hour | Free Hour | Free Hour |
| 15.30-16.30 | Free Hour | Free Hour | Free Hour | Free Hour | Free Hour |
| 16.30-17.30 | Free Hour | Free Hour | Free Hour | Free Hour | Free Hour |
|  |  |  |  |  |  |
|  |
| **2. Week** |
| Days | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8.30-9.30 | Ethics - Human Rights  | Death/Dead Examination/Death Certificate Issuance | Medicolegal Autopsy  | Perinatal Pathology and Child Mortality | Exam |
| 9.30-10.30 | Ethics - Human Rights  | Death/Dead Examination/Death Certificate Issuance | Medicolegal Autopsy  | Postmortem Changes | Exam |
| 10.30-11.30 | Legal Liability of Physicians | Death/Dead Examination/Death Certificate Issuance | Medicolegal Autopsy  | Toxic Gases |  |
| 11.30-12.30 | Medicolegal Autopsy  | Death/Dead Examination/Death Certificate Issuance | Medicolegal Autopsy  | Drugs / Stimulants / Narcotic and Other Toxic Substances  |  |
| 12.30-13.30 | Medicolegal Autopsy  | Death/Dead Examination/Death Certificate Issuance | Free Hour | Drugs / Stimulants / Narcotic and Other Toxic Substances  |  |
| 13.30-14.30 | Free Hour | Death/Dead Examination/Death Certificate Issuance | Free Hour | Wounds |  |
| 14.30-15.30 | Free Hour | Death/Dead Examination/Death Certificate Issuance | Free Hour | Wounds |  |
| 15.30-16.30 | Free Hour | Death/Dead Examination/Death Certificate Issuance | Free Hour | Free Hour |  |
| 16.30-17.30 | Free Hour |  |  |  |  |
|  |  |  |  |  |  |

NOTE: Prepare this table for each week of your course.

| **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 fair, 4 high, 5 highest [↑](#footnote-ref-0)