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|----------|--------------------|-----------------------|------------------|
| Medicine |                    |                       |                  |
| Bachelor | TR-NQF-HE: Level 7 | QF-EHEA: Second Cycle | EQF-LLL: Level 7 |

## Course Introduction and Application Information

|                                           |                                                                                                                                               |  |  |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Course Code:                              | TIP514                                                                                                                                        |  |  |
| Course Name:                              | Forensic Medicine and Public Health                                                                                                           |  |  |
| Semester:                                 | Fall                                                                                                                                          |  |  |
| Course Credits:                           | <div>ECTS</div> <div>4</div>                                                                                                                  |  |  |
| Language of instruction:                  | Turkish                                                                                                                                       |  |  |
| Course Condition:                         |                                                                                                                                               |  |  |
| Does the Course Require Work Experience?: | No                                                                                                                                            |  |  |
| Type of course:                           | Compulsory Courses                                                                                                                            |  |  |
| Course Level:                             | <div>Bachelor</div> <div>TR-NQF-HE:7.<br/>Master`s Degree</div> <div>QF-EHEA:Second<br/>Cycle</div> <div>EQF-LLL:7.<br/>Master`s Degree</div> |  |  |
| Mode of Delivery:                         | Face to face                                                                                                                                  |  |  |
| Course Coordinator:                       | Dr. Öğr. Üy. SÜREYYA BOZKURT                                                                                                                  |  |  |
| Course Lecturer(s):                       | Dr. Öğr. Üyesi Nezh VAROL                                                                                                                     |  |  |
| Course Assistants:                        |                                                                                                                                               |  |  |

## Course Objective and Content

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Course Objectives: | To enable students to know the characteristics of Public Health, to apply preventive medicine measures, to make the pre-diagnosis or diagnosis of diseases that may require urgent intervention, and to gain knowledge and skills to provide diagnosis and treatment services at the primary level. To be able to explain what the forensic sciences are, the fields they are dealing with, what is the place of Forensic Medicine, what the legal responsibilities of the physician are and what the expertise is, to know and apply what should be considered in the preparation of a |
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|                 |                                                                                                                                                                                                                                                    |
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|                 | forensic report, to have information about sudden and unexpected deaths intended to be.                                                                                                                                                            |
| Course Content: | It covers the principles of symptoms and findings, diagnosis and treatment of diseases in adult patients in a way that covers the learning objectives specified in the Core Education Program in the field of Forensic Medicine and Public Health. |

## Learning Outcomes

The students who have succeeded in this course;

- 1) Be able to question the symptoms of primary care diseases with history taking and physical examination, recognize these symptoms during examination, make and interpret diagnostic approaches, treat certain problems, determine which patients should be evaluated by a specialist
- 2) Be able to approach urgent symptoms and diseases in the right way, make the diagnosis and make the first treatment, and then send them to advanced centers under suitable conditions.
- 3) To understand the importance of good patient-physician and physician-physician communication and develop their skills.
- 4) To have the necessary knowledge in the field of Forensic Medicine
- 5) Be able to prepare a forensic report
- 6) To know the legal responsibilities of the physician
- 7) Be able to prepare forensic autopsy report

## Course Flow Plan

| Week | Subject                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Related Preparation                      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1)   | Theoretical Lectures: Internship Presentation Forensic Medicine and Forensic Science Public Health and Fields of Application Death determination - Death examination and Autopsy Research Methods Epidemiology Injury. Evaluation of Forensic Medicine, Reporting Hands-on Training: Practical studies of Forensic Medicine and Public Health internship groups-I Practical studies of Forensic Medicine and Public Health internship groups-II Practical studies of Forensic Medicine and Public Health internship groups-III Practical studies of Forensic Medicine and Public Health internship groups-IV Practical studies of Forensic Medicine and Public Health internship groups-V | There is no preparation-course material. |
| 2)   | Theoretical Lectures: Health Policies and Health Systems Forensic Gynecology, Abortion, birth and pregnancy, domestic violence, child abuse Human Rights Violations, Torture, Forensic Psychiatry Health Policies and Health Systems Forensic Toxicology, Asphyxia                                                                                                                                                                                                                                                                                                                                                                                                                        | There is no preparation-course material. |
| 3)   | Theoretical Lectures: Health Law and Legislation Health Insurance Health management and Quality in Health Exam Practical training: Practical studies of Forensic Medicine and Public Health internship groups-VI Practical studies of Forensic Medicine and Public Health internship groups-VII Practical studies of Forensic Medicine and Public Health internship groups-VIII Practical studies of Forensic Medicine and Public Health internship groups-IX                                                                                                                                                                                                                             | There is no preparation-course material. |

## Sources

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Course Notes / Textbooks: | Dersin kaynak kitabı bulunmamaktadır. The course does not have a mandatory resource.                                                    |
| References:               | Dersin konuları ile ilgili güncel makaleler ve ders slaytları./Articles mentioned in the course related with topics and lecture slides. |

## Course - Program Learning Outcome Relationship

| Course Learning Outcomes                                                                                                                                                                                                                                                                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|
| Program Outcomes                                                                                                                                                                                                                                                                            |   |   |   |   |   |   |   |
| 1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.                                                                                       |   |   |   |   |   |   |   |
| 2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.                                                                                                                                                                 |   |   |   |   |   |   |   |
| 3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.                                                                                                                              |   |   |   |   |   |   |   |
| 4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests. |   |   |   |   |   |   |   |
| 5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.         |   |   |   |   |   |   |   |
| 6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.                                                                                                                                                                                  |   |   |   |   |   |   |   |
| 7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.                                                                                                                               |   |   |   |   |   |   |   |
| 8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.                                                                                                                                                                                    |   |   |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                             |   |   |   |   |   |   |   |

|                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |   |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|
| 9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.                                                                                                                                                                             |   |   |   |   |   |   |   |
| 11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.                                                                                                                                                                               |   |   |   |   |   |   |   |
| 12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.                                                 |   |   |   |   |   |   |   |
| 13) can collect health data, analyze them, present them in summary, and prepare forensic reports.                                                                                                                                                                                                             |   |   |   |   |   |   |   |
| 14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.                |   |   |   |   |   |   |   |
| 15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.                                                                                                                                                                                                |   |   |   |   |   |   |   |
| 16) knows health policies and is able to evaluate their effects in the field of application.                                                                                                                                                                                                                  |   |   |   |   |   |   |   |
| 17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.                                                                                                                                                                                                              |   |   |   |   |   |   |   |
| 18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.                                                                                                                                    |   |   |   |   |   |   |   |

### Course - Learning Outcome Relationship

| No Effect | 1 Lowest | 2 Average | 3 Highest |
|-----------|----------|-----------|-----------|
|           |          |           |           |

| Program Outcomes | Level of Contribution |
|------------------|-----------------------|
|------------------|-----------------------|

|     |                                                                                                                                                                                                                                                                                                            |  |
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|     |                                                                                                                                                                                                                                                                                                            |  |
| 1)  | When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.                                                                                                         |  |
| 2)  | knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.                                                                                                                                                                                   |  |
| 3)  | is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.                                                                                                                                                |  |
| 4)  | knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.                   |  |
| 5)  | can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.                           |  |
| 6)  | knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.                                                                                                                                                                                                    |  |
| 7)  | can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.                                                                                                                                                 |  |
| 8)  | knows the clinical decision-making process, evidence-based medicine practices and current approaches.                                                                                                                                                                                                      |  |
| 9)  | knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics. |  |
| 10) | knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.                                                                                                                                                                              |  |
| 11) | is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.                                                                                                                                                                                |  |
| 12) | knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.                                                  |  |
| 13) | can collect health data, analyze them, present them in summary, and prepare forensic reports.                                                                                                                                                                                                              |  |
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| 14) | knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society. |  |
| 15) | knows employee health, environment and occupational safety issues and takes responsibility when necessary.                                                                                                                                                                                 |  |
| 16) | knows health policies and is able to evaluate their effects in the field of application.                                                                                                                                                                                                   |  |
| 17) | keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.                                                                                                                                                                                               |  |
| 18) | applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.                                                                                                                     |  |

### Assessment & Grading

| Semester Requirements       | Number of Activities | Level of Contribution |
|-----------------------------|----------------------|-----------------------|
| Final                       | 1                    | % 65                  |
| Final Sözlü                 | 1                    | % 35                  |
| <b>total</b>                |                      | <b>% 100</b>          |
| PERCENTAGE OF SEMESTER WORK |                      | % 35                  |
| PERCENTAGE OF FINAL WORK    |                      | % 65                  |
| <b>total</b>                |                      | <b>% 100</b>          |

### Workload and ECTS Credit Calculation

| Activities                                 | Number of Activities | Workload  |
|--------------------------------------------|----------------------|-----------|
| Course Hours                               | 3                    | 28        |
| Application                                | 3                    | 26        |
| Special Course Internship (Work Placement) | 3                    | 36        |
| Final                                      | 1                    | 8         |
| <b>Total Workload</b>                      |                      | <b>98</b> |