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

**UNDERGRADUATE PROGRAM
2023-2024 ACADEMIC YEAR**

**EDUCATIONAL INFORMATION PACKAGE**

| **COURSE INFORMATION** |
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| **Course Name** |  **Public Health Internship** | **Course Code** | **MED 605** |
| **Phase**  | 6 | **Level of the Course** | Undergraduate | **Language of the Course** | English |
| **Mode of Delivery** | Face to face, E-Learning , hybrid | **Lesson Type** | Compulsory |
| **Practice/****Laboratory Site** | Maltepe University Medical Faculty  | **Suggested Courses** | None |
| **Prerequisite** | 1. MED 100 2. MED 2003. MED 3004. Phase 4 and 5 | Concurrent Requirements:None |

|  **ECTS** |
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| **ECTS Credits** | **Theoretical Lecture Hours** | **Practical Hours** | **Course Duration**  |
| 10 | 20 | 250 | 2 months |

| **COURSE COORDINATORS AND INSTRUCTORS** |
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| **Course Coordinator, Contact details and Office Hours[[1]](#footnote-0):**Ahmet Zafer ÖZTEK, MD, Professor, Maltepe University, Faculty of Medicinezaferoztek@maltepe.edu.tr Extension: 1934**Office Hours:**Workdays 09:00 – 11:00

| Zafer ÖZTEK, MD., Professor, Maltepe University, Faculty of Medicinezaferoztek@maltepe.edu.tr Extension: 1934**Office Hours:** Workdays 09:00 – 11:00Hüseyin Refik BURGUT, PhD, Professor, Maltepe University, Faculty of Medicinehüseyinrefik.burgut@maltepe.edu.tr Extension: 1955**Office Hours:** Workdays 09:00 – 11:00Turhan ŞALVA MD., Asist. Prof. Maltepe University, Faculty of Medicinetsalva@sibadem.com Extension: 1935**Office Hours:**Workdays 09:00 – 11:00  |
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| **GENERAL OBJECTIVE AND CATEGORY OF THE COURSE** |
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| The aim of the Public Health clerkship is to,1. teach the interns on health care model and enable them to practice the health care system in Türkiye
2. enable the interns to see the basic health services and primary care services provided outside the hospitals and to get to know the country's health system,
3. teach the interns how to search health problems of the community and plans and implement measures for solving these problems,
4. to teach the interns how to plan an epidemiological research in field conditions, to enable them to acquire knowledge and skills in data collection, analysis and reporting the results.

**Course Category:**

| 1. Basic profession courses
 | x |
| --- | --- |
| 1. Specialty / subspecialty courses
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| 1. Supporting courses
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| 1. Communicable skills courses
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| 1. Humanity, communication and administrative skills courses
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| **COURSE LEARNING OUTCOMES, SUB-SKILLS and COMPETENCIES** |
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| **The interns after completing the course,**

| **No.** | **Learning Outcomes / Sub-Skills / Competencies** | **Training method** | **Evaluation Method** |
| --- | --- | --- | --- |
| **1** | Explain the concept of public health | EY2 | ÖD7 |
| **2** | Evaluate and interpret the data about the health level of the community. | EY2, EY7 | ÖD7 |
| **3** | Can apply preventive health measures. | EY2, EY7 | ÖD7 |
| **4** | Explain the health care organization model in Türkiye | EY2, EY7 | ÖD7 |
| **5** | Comprehends the primary health care services. | EY2, EY7 | ÖD7 |
| 6 | Explain the relations between primary, secondary and tertiary health care institutions | EY2, EY7 | ÖD7 |
| 7 | Explain the duties, authorities and responsibilities of the staff working in the family health center | EY2, EY7 | ÖD7 |
| 8 | Knows the work and procedures in the district health directorate and community health center | EY2, EY7 | ÖD7 |
| 9 | Defines, calculates and interprets the basic indicators showing the health level of the society. | EY2, EY6 | ÖD7 |
| 10 | Can identify the health problems of a society and develop programs for solutions | EY2, EY9 | ÖD7 |
| 11. | Explain the methods of controlling infectious diseases | EY2, EY7 | ÖD7 |
| 12 | Knows immunization services and vaccine tracking system | EY2, EY7 | ÖD7 |
| 13 | Explain the importance of reproductive health and family planning counseling services | EY2, EY7 | ÖD7 |
| 14 | Explain environmental health practices | EY2 | ÖD7 |
| 15 | Explain occupational health and safety practices | EY2, EY7 | ÖD7 |
| 16 | Plan, conduct and evaluate an epidemiological study. | EY2, EY9, EY10 | ÖD7 |
| 17 | Can evaluate the accuracy of a research paper's method | EY2, EY6, EY9 | ÖD7 |
| 18 | Make a presentation on a scientific topic | EY2, EY6, EY9 | ÖD7 |
| 19 | Knows the communication channels with subordinates and superiors in the health system | EY2,EY7 | ÖD7 |
| 20 | Can advocate on public health issues | EY2, EY7 | ÖD7 |
| 21 | Work in a health team, | EY7 | ÖD7 |

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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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| **CONTENT OF THE PROGRAM** |
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| In accordance with a training program prepared by the Department of Public Health, they practices preventive and curative service in family health centers. Working together with the physicians and other health personnel in the family health centers, gain skills on patient examination, simple laboratory examinations, immunization, family planning, prenatal care, infant monitoring, school health, environmental health, first aid, health records and statistics.They visit and learn about the activities of various health institutions and organizations such as the district health directorate, occupational physicians, municipal health affairs office and Medical Chamber.They work on a scenario for assessing the health status of a district and make plans for solving the health problems of the community in that district.They make a presentation on a selected public health issue.They present a scientific article about a selected public health issue and criticise its method. They plan, implement, evaluate and write the report of an epidemiological research.  |

| **COURSE TEXTBOOKS AND SUPPLEMENTARY READINGS** |
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| **Textbooks**1. Öztek Z. Halk Sağlığı – Kuramlar ve Uygulamalar, Sağlık ve Sosyal Yardım Vakfı Yayını, Ankara, 2020.
2. Tulchinsky TH, Varavicova EA. The New Public Health, Third Edition, 2014.
3. Wallace RB (Ed), Wallace/Maxcy-Rosenau-Last Public Health and Preventive Medicine, Fifteenth Edition, McGraw Hill 2007.

**Further Readings**1. Tezcan S. Temel Epidemiyoloji, Hipokrat Yayınevi, Ankara,217
2. Bilir N. İş Sağlığı ve Güvenliği, Hacettepe Üniversitesi yayınları, 2004
3. Yakıncı C., Yeşilada E. Koruyucu Sağlık Rehberi, Genişletilmiş 2. Baskı, Türk Eczacıları Birliği Yayını, 2013
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| **COURSE ASSESSMENT AND EVALUATION SYSTEM** |
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| **Studies during the year** | **Percent grade** |
| --- | --- |
| **Clerkship Examination**  | **%0** |
| **Structured Oral Examination**  | **%0** |
| **ICE (İş Başı Değerlendirme)** | %100 |
| **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** | **10** | **2** | **20** |
| **Laboratory** |  |  |  |
| **Practice** |  |  |  |
| **Lesson specific internship** (if there is)  |  |  |  |
| **Field study** | **10 days** | **6** | **60** |
| **Lesson study time out of class** (pre work, strengthen, etc) |  |  |  |
| **Presentation / Preparing seminar** | **2** | **20** | **40** |
| **Project**  | **1 month** | **150** | **150** |
| **Homework** |  |  |  |
| **İnterval examinations** |  |  |  |
| **Clerkship Examination**  |  |  |  |
| **Total work load**  | **270** |

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| **RELATIONSHIP BETWEEN PUBLIC HEALTH INTERNSHIP LEARNING OUTCOMES AND MEDICAL EDUCATION PROGRAMME KEY LEARNING OUTCOMES** |
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| **No** | **Program Competencies/ Outcomes** | **Level of Contribution[[2]](#footnote-1)\*** |
| --- | --- | --- |
| **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 6 MED 605 PUBLC HEALTH INTERNSHIP COURSE LIST AND RANKING** |
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| **No.** | **Subject/Competence** | **Instructor** |
| --- | --- | --- |
| 1 | Public health concept | Prof. Dr. A. Zafer Öztek |
| 2 | Primary health care | Prof. Dr. A. Zafer Öztek |
| 3 | One health concept | Prof. Dr. A. Zafer Öztek |
| 4 | Health care models | Prof. Dr. A. Zafer Öztek |
| 5 | Health care in Türkiye | Prof. Dr. A. Zafer Öztek |
| 6 | Major health problems in Türkiye | Prof. Dr. A. Zafer Öztek |
| 7 | Health and population | Prof. Dr. A. Zafer Öztek |
| 8 | Controling communicable diseases | Onur Özlem Öztürk MD |
| 9 | Immunization and cold chain | Onur Özlem Öztürk MD |
| 10 | Health indicators | Onur Özlem Öztürk MD |
| 11 | Reproductive health | Onur Özlem Öztürk MD |
| 12 | Control of non- communicable diseases | Onur Özlem Öztürk MD |
| 13 | District health directorate | Onur Özlem Öztürk MD |
| 14 | Environmental health | Turhan Şalva MD |
| 15 | Occupational health and safety | Turhan Şalva MD |
| 16 | Research planning | Prof. Dr. H. Refik Burgut,Onur Özlem Öztürk MD |

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| **PHASE 6 MED 605 PUBLIC HEALTH INTERNSHIP SCHEDULE** |
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|  1. Week |
| Days | Monday | Tuesday | Wednesday | Thursday  | Friday |
|  | Program description  | Health services in Türkiye | Controlling communicable diseases | Control of non-communicable diseases | Environmental health |
| Public health concepy and principles | Health and population | Immunization and cold chain | Dictrict health diroctarates | Occupational health and safety |
| Primary health care | Major health problems in Türkiye | Health indicators | Being a public servant in Türkiye |  |
| One health concept | Selecting the seminar topics | Reproductive health |  |  |
| Models of health sercices |  |  |  |  |
| 1. Week
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|  | Visiting a work place | Deciding reaesrch topics and research planning | Research planning | Research planning | Visiting the İstanbul Medical Chamber |
| 1. .Week
 |
|  | Rotation at Family Health Center | Rotation at Family Health Center | Rotation at Family Health Center | Rotation at Family Health Center | Rotation at Family Health Center |
| 1. Week
 |
|  | Rotation at Family Health Center | Rotation at Family Health Center | Rotation at Family Health Center | Rotation at Family Health Center | Rotation at Family Health Center |
| 1. Week
 |
|  | Seminar presentations | Seminar presentations | Seminar presentations | Article presentations | Article presentations |
| 1. Week
 |
|  | Visiting the district health directorate | Workshop on health care planning | Workshop on health care planning | Data collection and analysis | Data collection and analysis |
| 1. Week
 |
|  | Data collection and analysis | Data collection and analysis | Data collection and analysis | Data collection and analysis | Data collection and analysis |
| 1. Week
 |
|  | Reporting the research | Reporting the research | Reporting the research | Research presentation | Research presentation |

| **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. If there is one course instructor this line will be erased and the name, last name and information of the instructor will written on the line below [↑](#footnote-ref-0)
2. \*1 lowest, 2 low, 3 fair, 4 high, 5 highest. [↑](#footnote-ref-1)