

AUTOPSY ASSISTANCE PROGRAM

2024-2025 COURSE CONTENTS

ATATÜRK'S PRINCIPLES AND REVOLUTIONARY HISTORY I - ATA103

Concepts, definitions, teaching methods, and the definition of resources. The Industrial Revolution and the French Revolution. The Decline of the Ottoman Empire (19th Century). The Tanzimat and Reform Edicts, First and Second Constitutional Periods. The First World War, the Tripolitanian War, and the Balkan Wars. The Mondros Armistice Agreement, Wilson's Principles, Paris Conference. Mustafa Kemal's Arrival in Samsun and the Situation in Anatolia. The Amasya Circular, National Congresses, and the Opening of the National Assembly. The Establishment of the Grand National Assembly and Internal Rebellions. The Fundamental Law (Teşkilat-ı Esasi) and the Establishment of the Regular Army. The First and Second İnönü Battles, the Battles of Kütahya-Eskişehir, Sakarya, and the Great Offensive. Treaties during the War of Independence. The Treaty of Lausanne. The Abolition of the Sultanate.

ENGLISH I - INGU103

Introductions, the verb *to be*, subject pronouns. Demonstrative pronouns, countable/uncountable nouns, quantifiers. Simple Present Tense, frequency adverbs. Object pronouns, possessive adjectives, *have got/has got*. Obligation and necessity (must/mustn't), ability (can/can't). Simple Past Tense. Understands and interprets spoken language at the appropriate level. Increases vocabulary through various reading passages. Present Continuous Tense. Conjunctions (and-but-therefore-because). Comparisons. Develops the ability to understand various English reading texts at an intermediate level.

FORENSIC MEDICINE I (CRIME SCENE INVESTIGATION) - OTY107

Introduction to Crime Scene Investigation, The Importance of Crime Scene Investigation, The Concept of Physical Evidence, Methods of Crime Scene Investigation and Evidence Collection from the Crime Scene, Crime Scene Identification: Photography, Video, Documentation, Fingerprint Analysis, Footprint Analysis. Application: Evidence Packaging and Unpacking, The Concept of Sexual Crimes and Crime Scene Investigation in Sexual Offenses, Evidence Collection in Sexual Crimes, Innocence Project, The Importance of DNA Evidence in Sexual Offenses: Case Study, Crime Scene Investigation in Homicide Cases, DNA Evidence and Forensic Errors: Case Study, Biological Sample Collection Procedures in Exhumation.

ANATOMY - ANA101

Introduction to Anatomy and Physiology, Cell Theory, Cell Organelles, Matter Exchange, Cell Metabolism, Anatomy of the Locomotor System, Anatomy of Bones, Joints, and Muscles, Anatomy of the Respiratory System, Anatomy of the Circulatory System, Digestive System, Urinary System, Genital System, Endocrine System, Nervous System, Anatomy of the Sensory Organs.

TURKISH LANGUAGE I - TURK103

Learns the necessity of the connection between language and culture. Gains knowledge about

the historical development of the Turkish language. Learns spelling and punctuation rules, their necessity, and their contribution to success in life. Learns the most appropriate usage of words in oral and written expression. Learns to use thoughts and emotions accurately and effectively.

MEDICAL DOCUMENTATION I - OTY105

Definition of information and documents. The concept of medical documentation, definitions of documents, and folders. Case and subject file definitions. Detailed examination of the concept of information. Providing examples suitable for the functioning of the department. Introduction of information sources, classification of information and document sources, cataloging methods. Introduction of files of healthcare recipients, their usage, and their scope. Forms that constitute the files of healthcare recipients. Files of healthcare recipients in SGK (Social Security Institution) and public institutions. Legal frameworks in medical archiving, archiving and automation in healthcare institutions, the ICD 10 coding system, and its importance in medical archiving.

UNIVERSITY CULTURE I - RKUL103

Every semester, this course involves seminars, conferences, panels, workshops, and discussions conducted over 14 weeks, based on the suggestions of academic units, the student council, and student clubs.

POSITIVE PSYCHOLOGY AND COMMUNICATION SKILLS - RPSI209

Definition of positive psychology and learning its basic concepts. Learning the theoretical foundations of positive psychology. Understanding the cognitive basis of social behaviors. Emotional intelligence in adults, children, and youth, as well as in marriage and work life. Principles of emotional intelligence, its relationship with personality development, marriage, and work life. Learning concepts related to self-awareness. Learning the concepts of recognizing others and empathy. Learning communication skills. Learning motivation and planning skills. Learning problem-solving skills. Learning anger control skills. Learning relationship management skills. Understanding the concept of perseverance and impulse control skills.

PHYSIOLOGY - FZY 101

Introduction to Physiology and Homeostasis, Cell Physiology, Blood Physiology, Excitable Tissues, Musculoskeletal System Physiology, Cardiovascular System Physiology, Respiratory System Physiology, Digestive System Physiology, Urinary System Physiology, Acid-Base Balance, Nervous System Physiology, Endocrine System Physiology, Reproductive System Physiology, Sensory System Physiology.

COMPUTER USAGE - OTY103

Introduction to computer usage and course orientation, definition of computers, history, main components, ergonomic computer use, operating systems, Windows XP, Macintosh usage, Microsoft Word word processing program, Microsoft Excel spreadsheet program, Microsoft PowerPoint presentation program, Internet usage, and Outlook.

ATATÜRK'S PRINCIPLES AND REVOLUTIONARY HISTORY II - ATA104

Concepts, definitions, teaching methods, and the definition of resources. The Industrial Revolution and the French Revolution. The Decline of the Ottoman Empire (19th Century). The Tanzimat and Reform Edicts, First and Second Constitutional Periods. The First World

War, the Tripolitanian War, and the Balkan Wars. The Mondros Armistice Agreement, Wilson's Principles, Paris Conference. Mustafa Kemal's arrival in Samsun and the situation in Anatolia. The Amasya Circular, National Congresses, and the opening of the National Assembly. The establishment of the Grand National Assembly and internal rebellions. The Fundamental Law (Teşkilat-ı Esasi) and the establishment of the regular army. The First and Second İnönü battles, the battles of Kütahya-Eskişehir, Sakarya, and the Great Offensive. Treaties during the War of Independence. The Treaty of Lausanne. The abolition of the Sultanate.

ENGLISH **II** - **INGU104**

Modifiers; Prepositions of Time, Place, Movement; Singular and Plural Nouns: Countable and Uncountable Nouns; Tenses: Simple Present, Present Continuous, and Past Tense structures; Modals: Will, Should, Shouldn't, Must, Mustn't, Can; Comparative Structures; Pronouns: Personal Pronouns, Possessive Pronouns; Adjectives; Affirmative, Negative, and Question Sentences; Conjunctions: And, But, While, Because.

TURKISH **LANGUAGE** **II** - **TURK104**

Word and its meanings, words in terms of meanings, literal, figurative, and metaphorical meanings of words, idioms, reduplications, terms, language errors, Turkish sentence structure, sentence elements, sentence analysis, written expression types such as novels, articles, essays, and poems, presentations, reports, and minutes, writing petitions, business letters, and CVs, dialogue and discussion.

UNIVERSITY **CULTURE** **II** - **RKUL104**

Every semester, this course includes seminars, conferences, panels, workshops, and discussions conducted over 14 weeks, based on suggestions from academic units, the student council, and student clubs.

PATHOLOGICAL **ANATOMY** - **OTY108**

Bones - Head and Neck, Bones - Chest and Pelvis, Bones - Arms and Legs, Muscles - Head and Neck, Muscles - Chest and Pelvis, Muscles - Arms and Legs, Heart, Vessels - Head and Neck, Vessels - Chest, Vessels - Abdomen and Pelvis, Vessels - Arms and Legs, Nerves, Sensory Organs.

FORENSIC **MEDICINE** **II** - **OTY104**

The duties and responsibilities of autopsy technicians, discovery of dead body examination and autopsy, macroscopic and microscopic evaluation in autopsies, definition of asphyxia and hangings, drowning, other mechanical asphyxiations, carbon monoxide poisoning, age determination, findings of electrical and lightning strikes, hypothermia and hyperthermia, blunt force trauma findings, motor vehicle accidents, findings due to falls from height, infant and child deaths.

MEDICAL **DOCUMENTATION** **II** - **OTY106**

Medical documents, definition of documentation, history, the legal aspects of medical documentation, medical correspondence, forensic reports, forensic databases and documentation, documents and materials for report preparation, autopsy reports, expert witness reports, consent forms, difficulties encountered in archiving and automation.

STERILIZATION PRINCIPLES - AML102

Sterilization methods, disinfection methods, factors affecting sterilization, factors affecting disinfection, antimicrobial chemicals, agents causing damage to cell membranes, surface-active substances, alcohols, phenolic compounds, substances affecting proteins, acids and alkalis, substances affecting nucleic acids.

MEDICAL TERMINOLOGY - MYO003

Introduction to terminology, pronunciation rules of terms, prefixes, suffixes, types of terms, terms related to the musculoskeletal system, blood terms, cardiovascular system terms, respiratory system terms, digestive system terms, urinary system terms, genital system terms, endocrine system terms, nervous system and psychiatry terms, sensory organ terms, diagnostic terms.

FORENSIC AUTOPSY I - OTY219

Heart, Brain, and Lung Anatomy, Anatomy of Other Internal Organs, Autopsy Techniques, Natural Deaths, Sudden Cardiac Deaths, Deaths Due to Firearm Injuries, Deaths from Stabbing and Piercing Wounds, Deaths Due to Burns, Deaths Due to Explosions, Deaths During Pregnancy, Neonatal and Pediatric Deaths - Child Abuse Findings, Alcohol, Sedative, and Drug-Related Deaths, Negative Autopsies.

POSTMORTEM SAMPLE COLLECTION - OTY217

Evidence security, evidence submission procedures, sealed bag preparation and box sealing, sample tubes, toxicology - routine, toxicology - special cases, biology, histopathology - autopsy, histopathology - laboratory, microbiology - autopsy, microbiology - laboratory, microbiology - risky autopsies, physical examinations, gunshot residue. Examination and sampling of the heart, biological sample collection, brain examination and sampling, basic algorithms, autopsy protocols 1, 2, 3, macroscopic and microscopic evaluation in autopsy practice, toxicological sample collection, exhumation procedures, entomology, sexual assaults, bone examination sampling.

FORENSIC MEDICINE III - OTY209

Forensic Medicine Institution Board Structures, Sexual Abuse, Mass Casualty Identification, Occupational Accidents, Gastrointestinal System Diseases and Poisonings, Clothing Findings in Forensic Autopsies, Head Trauma and Death, Traumatic Lesions and Wound Healing, Causality and Regional Injuries, Sedative and Drug-Related Deaths, Anesthesia and Surgery-Related Deaths, Occupational Diseases and Deaths, Brain Death and Organ Transplantation.

PHYSICAL EDUCATION AND BODY DEVELOPMENT - OTY 211

The concept of training, the basic purpose and main tasks of training, the effect of training on the body and the changes it causes, the relationship between exercise load and rest, criteria for loading, aerobic training and flexibility exercises, aerobic training and flexibility exercises, isometric exercise principles, abdominal exercises (individual), eccentric-concentric exercise principles, body grip exercises theory, reverse body grip exercises theory, dynamic (isotonic)

exercise principles, concentric exercises theory, eccentric exercises theory, strength training with various equipment theory.

PROFESSIONAL ETHICS - MET101

What is Ethics? / An Overview of Ethical Theories / Basic Concepts: Society and Information Ethics, Addiction, Health Issues, Unemployment, Social Relationships, Security, Abuse and Cybercrimes, Human Rights and Patient Rights, Hospital Ethics Committees, Medical Ethics Principles and Deontology, Ethical Case Analysis, Autopsy and Ethics, Organ Transplantation and Procedures in Forensic Cases, Violence Against Women, Mobbing.

HEALTH SERVICES MANAGEMENT - SHY101

The course covers the concept of health, factors affecting health, basic characteristics of healthcare services, factors affecting the use of healthcare services, the healthcare system, the features of an effective healthcare system, the structural design of healthcare institutions, the development and organization of healthcare services in Turkey, and international health organizations.

FORENSIC AUTOPSY II - OTY 224

Postmortem Artifacts, Definition, History, and Techniques of Autopsy, Postmortem Examination, Early and Late Signs of Death, Biosafety in Autopsy, Normal and Abnormal Appearances of Organs in Autopsy, Malpractice and Autopsy, Opening the Head and Brain Dissection, Opening the Neck and Traumatic Findings, Opening the Chest, Heart and Lung Dissection, Opening the Abdomen, Liver, Spleen, Kidney, and Internal Organ Dissection, Dissection of Arms and Legs, Definition and Differentiation of Wounds, Sample Collection from Organs.

FORENSIC AUTOPSY CASE ARTIFACTS - OTY226

Agonal Artifacts, Artifacts Formed During Resuscitation Procedures, Artifacts Related to Embalming Procedures Before Autopsy, Artifacts Related to Burial and Exhumation Procedures in Bodies Buried Without Autopsy, Artifacts Formed During Body Transportation, Artifacts Related to Rigor Mortis and Postmortem Lividity, Artifacts Related to Decomposition, Artifacts Formed During Autopsy, Toxicological Artifacts, Artifacts Related to Burn Cases, Artifacts Related to Gunshot Wounds, Artifacts Formed During Treatment, Artifacts Caused by Animal and Insect Bites, Deliberately Created Artifacts.

CRIMINALISTICS FOR AUTOPSY ASSISTANCE - OTY218

Introduction to Forensic Sciences, Crime Scene and Documentation, Physical Evidence, Forensic Medicine and Postmortem Examination, Forensic Biometry, Firearms and Trace Evidence, Biological Evidence, Forensic Genetics and Forensic Serology, Forensic Toxicology, Fire and Explosives, Drug Analysis, Forensic Document Examination, General Evaluation.

CRIMINAL LABORATORY MANAGEMENT AND QUALITY ASSURANCE - OTY222

Evidence-handling laboratories, Internal control I in evidence-handling laboratories, Internal control II in evidence-handling laboratories, External control I in evidence-handling laboratories, External control II in evidence-handling laboratories, Quality assurance, ISO17025 principles, Personnel management, Task distribution, Principles of efficient work I, Principles of efficient work II, Laboratory management.

POSTMORTEM**IMAGING**

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OTY216

Radiation and occupational safety, Radiological examination indications in autopsy, Imaging methods in autopsy I, Imaging methods in autopsy II, Angiography, Virtopsy, Forensic photography, Use of imaging techniques in age determination, Use of radiographs in identification, Crime scene examination.

FIRST**AID**

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ILK101

General first aid information, Human body, Assessment of patient/injured and the scene, Basic life support, Airway obstructions, Bleeding and shock, Injuries, Burns, Frostbite, Heatstroke, Consciousness disorders (loss of consciousness, seizures, low blood sugar, chest pain), Poisoning, Animal bites, Foreign objects in the eye, ear, and nose, Drownings, Fractures, Dislocations, Sprains, Transport techniques.