

## **AUTOPSY ASSISTANTSHIP PROGRAM**

**2022-2023**

### **ATATÜRK PRINCIPLES AND REVOLUTION HISTORY I - ATA101**

Define concepts, lesson methods and definition of resources. The Industrial Revolution and the French Revolution. Distribution of the Ottoman State (XIX. Century). Tanzimat and Reform Edict, I. and II. Constitutionalism. World I, Tripoli and Balkan Wars. Mondros Armistice Treaty, Wilson Principles, Paris Conference. The Exit of M. Kemal to Samsun and the Situation in Anatolia. Amasya Circular, National Congresses, Opening of the Mebusan Assembly. Establishment of the Parliament and Internal Revolts. Organization Law, Establishment of Regular Army. I. II. Great Attack with İnönü, Kütahya-Eskişehir and Sakarya Square Battles. Treaties during the War of Independence. The Lausanne Peace Treaty. Abolition of the Sultanate.

### **ENGLISH I - INGU101**

Meet, verb, subject pronouns. Sign pronouns, countable / uncountable nouns, quantitative expressions. Wide time (Simple present tense), frequency envelopes. object pronouns, possessive adjectives, have got / has got. should, should, (must / mustn t) can, can (can / can t). Past tense (Simple Past Tense). Understands and comments on listening at the relevant level. Increases vocabulary with various reading texts. Present tense. Conjunctions (and-but-so-because). Comparisons. Gains the ability to understand various English reading passages in the middle lower level.

### **FORENSIC MEDICINE I (CRIME SCENE INVESTIGATION) - OTY107**

Introduction to crime scene investigation, Importance of Crime Scene Investigation, Concept of Material Evidence, Crime scene investigations Methods and evidence collection from crime scene , Identification of the Crime Scene: Photo, Video, Document, Fingerprint analysis , Footprint analyzes, Concept of Sexual Crime and Crime Scene Investigation in Sexual Crimes, Evidence Collection on Sexual Offenses Importance of DNA, Evidence on sexual offences, Crime scene investigation on murder case, DNA Evidence and Forensic Errors: Case Report, Procedures of Biological sample collection in grave excavation

### **ANATOMY - ANA101**

Introduction to Anatomy. Axis, planes, general informations, Osteologia, Artrologia, myologia, Systema respiratoria, Systema cardio-vasculare, Systema digestiva, Systema digestiva, Systema urinaria, Systema Genitale Femininum, Systema Genitale Masculinum, Systema nervosum, Systema Nervosum, Organa sensuum, Glandulae endocrinae

## **TURKISH LANGUAGE I- TURK101**

Learns the necessity of the connection between language and culture. Gains knowledge of the historical course of Turkish language. Learns the rules of spelling and punctuation, need and contribution to life success. Learn the use of words in the most appropriate place in oral and written expression. They learn how to use their ideas and feelings correctly and effectively.

## **MEDICAL DOCUMENTATION I- OTY105**

Information and Document Medical Documentation Document - File Classification Types, Explanation of Information and Document What is information? Examples related to department, Introduction of information sources. Book / Dictionary / so. on. (In case of where to find the right information), Cataloging types for information and documentation. Example: Dewey system in libraries Examples from archives, Patient files. Evaluation from the part of patient / institution / doctors / public health. Medical researchs, Patient files and related ,Patient files arrangements,Forms in the Patient Files, Patient files - owner and information security, Patient files in government health institutions, Informations about legality for medical archives, Archiving and otomatization in Health Institutions, ICD 10 Coding system and importance in medical archiving

## **UNIVERSITY CULTURE I - RKUL101**

Each semester, academic units, student council and student clubs suggestions Seminars, conferences, panels that will be held for 14 weeks within the framework of a program consisting of Includes workshops and utterances

## **POSITIVE PSYCHOLOGY AND COMMUNICATION SKILLS - RPSI209**

Definition of Positive Psychology and Learning of Basic Concepts. Learning the Theoretical Bases of Positive Psychology. Learning the Brain Infrastructure of Social Behaviors. Learning Emotional Intelligence, Emotional Intelligence in Adults, Children and Young People, Marriage and Business Life, Principles of Emotional Intelligence, Personality Development of Emotional Intelligence, Marriage and Work Life. Learning Concepts Related to Self Awareness and Awareness. Learning to Know Others and Empathy Concepts. Learning Communication Skills. Learning Motivation and Planning Skills. Learning Problem Solving Skills. Learning Anger Control Skills. Learning Relationship Management Skills. Learning Concept of Persistence and Impulse Control Skills. Learning Healthy Decision Making Skills. Learning Concepts of Reconciliation.

## **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

## **USE of COMPUTER - OTY103**

Information about computer usage and orientation, Computer Description, History, Main Units, Ergonomic computer use, Operating Systems, Windows Xp, Macintosh use, Microsoft Word Word Processing Program, Microsoft Excel spreadsheet program, Microsoft Powerpoint Presentation Program, Internet usage and outlook

## **ATATÜRK'S PRINCIPLES AND HISTORY OF REVOLUTION II- ATA102**

Political Revolutions: Abolition of the Sultanate, Declaration of the Republic, Abolition of the Caliphate Constitutional Movements Transition to Multiparty Life Revolutions in Law and New Law Revolutions in the Field of Education and Culture in the Social Field Turkish Revolutions in Atatürk Period (1923-1938) Ataturk's Principles: MNRepublicanism, Nationalism, Populism, Etatism, Secularism, Revolutionism Complementary Principles After Atatürk Turkey (internal and external political developments)

## **ENGLISH II - INGU102**

Markers; Pre-Prepositions: Location, Time, Movement; Singular and Plural Names: Countable and uncountable names; Times: Wide time, Present time, Past time structures; Modes: Will, Should, Shouldn't, Must, Mustn't, Can; Comparative Structures; Fairings: Personal titles, Possessive titles; Adjectives; Positive Sentence, Negative sentence and question sentences; Conjunctions: And, But, While-While, Because

## **TURKISH LANGUAGE II- TURK102**

Words and their meaning, words in terms of their meanings, real, side and metaphor meanings of words, idioms, dilemmas, terms, language mistakes, sentence structure of Turkish, sentence elements, sentence analysis, types of written expression such as novels, articles, essays, poems, presentations, reports and

minutes examples, petition, business letter and CV writing, conversation and discussion.

### **UNIVERSITY CULTURE II- RKUL102**

Each semester, academic units, student council and student clubs suggestions Seminars, conferences, panels that will be held for 14 weeks within the framework of a program consisting of Includes workshops and utterances.

### **AUTOPSY I - OTY102**

Bones-Head-Neck Bones- Chest-Pelvis, Bones-Arms And Legs Muscles-Head-Neck, Muscles Chest-Pelvis, Muscles Arms And Legs Muscles Arms And Legs, Heart Veins Head-Neck Veins-Chest, Veins-Abdominal-Pelvis Veins Arms And Legs nerves, Sense organs

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

Duties and responsibilities of autopsy technicians, Expeditionary Examination and Autopsy, Macroscopic and Microscopic Evaluation at Autopsy, Asphyxia Definition And Hangs, Drowning in Water, Other Mechanical Asphyxias, Carbon Monoxide Poisonings, Carbon Monoxide Poisonings, Age Determination, Electric and Lightning Strike Findings, Hypothermia Hyperthermia, Blunt Trauma Findings, Motor Vehicle Accidents, Findings Related to Falling from Height, Infant and Child Mortality

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

Medical Document, Documentation Definition, Legal Direction of Medical Documentation and historical, Legal Direction of Medical Documentation, Medical correspondence, Forensic reports, Forensic Database and documentations, Documents and materials in report regulation, Reports of autopsy, Expertise reports, permit documents, Difficulties in archiving and automation

### **STERILIZATION PRINCIPLES- AML102**

History of sterilization and disinfection, Microbiology, Serilization methods, Disinfection Methods, Factors affecting disinfection and sterilization, Agents causing damage to cell membrane and Antimicrobial chemistry, Surface active substances, Alcohols, Phenolic compounds, Substances affecting proteins, Acids and Alkalies, Substances affecting nucleic acids

### **MEDICAL TERMINOLOGY– MYO 003**

Introduction to Terminology, Reading rules of terms. Prefixes, Suffixes. Term types. Motion System Terms. Blood Terms. Cardiovascular System Terms. Respiratory System Terms. Digestive System Terms. Urinary System Terms. Genital System Terms. Endocrine System Terms. Nervous System and Psychiatric Terms. Sensory Organs Terms. Diagnostic Terms.

### **AUTOPSY II- OTY213**

Heart Brain Lung Anatomy, Anatomy of Other Internal Organs, Autopsy Techniques, Natural Deaths, Sudden Heart Deaths, Firearm Injury-Related Deaths, Firearm Injury-Related Deaths, Deaths Due to Sharps Injuries, Burn-Related Deaths Explosion-Related Deaths , Pregnancy-Related Deaths , Neonatal and Child, Mortality-Child Abuse Findings, Alcohol Drugs Drug Deaths Negative Autopsies

### **POSTMORTEM SAMPLING I- OTY215**

Security of Evidences , Evidence Delivery Procedure , Sealed Bag Making And Carton Closing, Sample Tubes , Routine toxicology, Toxicology-Special Conditions Practice: lung dissection and sampling, Biology, Histopathology- Autopsy, Histopathology- Laboratory practice: spleen and brain dissection and sampling, Microbiology- Autopsy practice: spleen and brain dissection and sampling, Microbiology Laboratory, Microbiology- Risky Autopsies, Physical Examinations, Shooting Wastes

### **FORENSIC MEDICINE III- OTY209**

Forensic Medicine Institution Board Structures, sexual assault, Disaster victim identification, Accidents at work, Gastrointestinal System Diseases and Poisonings, Dress Findings in Forensic Autopsy, Dress Findings in Forensic Autopsy, Head Traumas and Death, Traumatic Lesions and Wound Healing, Causality and Regional Injuries, Drug Drug Deaths, Anesthesia and Operation Deaths, Occupational Diseases and Death, Brain Death Organ Transplant

### **EXERCISE AND BODYBUILDING – OTY 211**

The concept of training, the main purpose and basic tasks of training, the organism of training the effect on it and its changes, the relationship between loading and rest in training, loading criteria, aerobic training and flexibility exercises, aerobic training and flexibility studies, isometric working principles, abdominal studies (individual), eccentric-concentric study principles, body grip studies theory, reverse body grip studies theory, dynamic (isotonic) working principles, concentric studies theory, eccentric studies theory, done with various tools Studies on the theory of force studies

### **PROFESSIONAL ETHICS- MET101**

What is Ethics? / A View of Ethical Theories / Basic Concepts: Responsibility, Accountability and Liability / Ethical Analysis. Society and Information Ethics: Two Way Relationship Between Society and Technology Information Technologies. Effects; Optimist, Pessimist, Contextual Views Why IT Ethics? The Task of IT Ethics. Addiction, Health Problems, Unemployment, Social Relations. Security, Abuse and Cybercrime. Human rights and Patient rights. Hospital ethics committees. Principles of medical professional ethics and deontology. thical case analysis - student presentation. Autopsy and Ethics. organ transplantation and Procedure of forensic cases, Violence against women, mobbing

### **HEALTH SERVICES MANAGEMENT- SHY101**

Basic Concepts in Management and Historical Development of Management. Functions of Management. Health and Health Services Concepts. Classification and Functions of Health Services. Development and organization of health services in Turkey. National Health Policies. International Health Policies. Hospital Management. Healthcare Financing. Human Resources Management in Healthcare Organizations. Marketing Management in Healthcare Organizations. Public Relations and Communication in Healthcare Organizations. Patient Rights and Ethics in Healthcare Organizations.

### **AUTOPSY III – OTY222**

Postmortem Artifacts , Autopsy Definition History and Techniques Dead Inspection, Early and Late Signs of Death, Biosafety at Autopsy, Normal Abnormal Appearance of Organs at Autopsy Natural Deaths Cardiovascular System, Malpractice And Autopsy, Head Opening and Brain Dissection, Opening the Neck and Traumatic Findings Chest Opening Heart And Lung Dissection Abdominal Opening Liver Spleen Kidney And Internal Organs Dissection Dissection of Arms and Legs, Definition and Separation of Wounds, Sampling from Organs

### **POSTMORTEM SAMPLING II – OTY 214**

Sexual assault, Grave opening, Sampling of forensic Entomology, Sampling of forensic palinology, Sampling of bodies in water, Sampling of bodies in water, Sampling of DVI, sampling in explosions, Heart Examination and Sampling, Brain Examination and Sampling, Hair sampling and analysis, specific poisonings

### **POSTMORTEM IMAGING - OTY216**

Radiation and Occupational Safety, Indications of Radiological Examinations in Autopsy, Imaging Methods in Autopsy, Anjio, virtops, Forensic photography, Use of Imaging Methods in Age Determination, Using Graphics in Identification, Crime scene Investigation, Crime scene Investigation

### **CRIMINAL LABORATORY MANAGEMENT AND QUALITY ASSURANCE – OTY220**

Evidence-operated laboratories, Internal control of evidence-operated laboratories, Quality assurance, Principles of ISO17025, Staff management, Job distribution, Efficient working principles, Laboratory management

### **CRIMINALISTICS FOR AUTOPSY ASSISTANT– OTY218**

Introduction to Forensic Science, Crime Scene and Documentation, Physical Evidence, Forensic Medicine and Postmortem Investigation, Forensic Biometrics, Firearms and Trace Evidence, Firearms and Trace Evidence, Biological Evidence, Forensic Genetics and Forensic Serology, Forensic Toxicology, Fire and Explosives, Drug Analysis, Forensic Document Examination

### **FIRST AID- ILK101**

General First Aid Information. Human Body, Patient / Wounded and Crime Scene Evaluation. Human Body, Patient / Wounded and Crime Scene Evaluation. Basic Life Support (Basic Life Support in Adults). Basic Life Support (Basic Life Support in Children and Infants), First Aid in Respiratory Obstruction. First Aid in Bleeding and Shock. First Aid in Injuries. First Aid in Burn, Freezing and Heat Stroke. First Aid in Consciousness Disorders. First Aid in Poisoning. First Aid in Animal Bites, First Aid in Eye, Ear and Nose Foreign Body Flee, First Aid in Drowning. First Aid in Fractures, Dislocations, Sprains. Patient / Wounded Transport Techniques. Patient / Wounded Transport Techniques.