

**VOCATIONAL SCHOOL OF HEALTH SERVICES
AUDIOMETRY PROGRAM
2022-2023**

1ST GRADE – FALL

MYO101 BASIC ANATOMY AND PHYSIOLOGY

(3+0), Credit: 3, ECTS:4

Introduction to Anatomy and Physiology, Cell Theory, Cell Organelles, Substance Exchange, Cell Metabolism, Locomotor System Anatomy and Bone, Joint and Muscle Physiology, Respiratory System Anatomy and Physiology, Circulatory System Anatomy and Physiology, Digestive System, Urinary System, Genital System, Endocrine System, Nervous System, Sense Organs Anatomy and Physiology.

ENF118 BIOPHYSICS

(2+0), Credit: 2, ECTS:2

Introduction to Biophysics, Bioenergetics, ATP and Metabolism, Membrane Transport Mechanisms, Action Potential, Biophysical Properties of Body Fluids, Hearing Biophysics, Functions and Electrical Activity of the Brain, Effects of Electric Currents on Tissue.

ODT103 ACOUSTIC PHYSICS (DEC)

(2+0), Credit: 2, ECTS:3

Principles of Sound Physics, Physical Relationships Extending from Sound Formation to Speech Formation, Factors Affecting Sound, Acoustic Structure of Silent Cabinets Used in Audiometric Studies, Acoustic Structure of Speech and Phonetics.

RKUL101 UNIVERSITY CULTURE I* (UEC)

(0+2), Credit: 1, ECTS:1

Seminars, Conferences, Panels, Workshops and Interviews to be Held for 14 Weeks within the Framework of a Program Consisting of the Suggestions of Academic Units, Student Council and Student Clubs at the University.

TURK101 TURKISH LANGUAGE I

(2+0), Credit: 2, ECTS:3

Theories about Language and the Birth of Language, Language-Culture-Nation Relationship, Turkish Language Association and Studies, Language Families and the Place of Turkish among World Languages, Sound Characteristics, Morphology, Sentence Characteristics, Spelling Rules and Punctuation Marks, Expression Disorders, Example Texts (Curriculum Vitae, Petition, Letter, Business Letter, Telegram).

INGU101 ENGLISH I

(3+0), Credit: 3, ECTS:3

Pronouns, Pronouns, Countable and Uncountable Nouns, Tense Structures, Adjectives, Auxiliary Verbs, Conjunctions, Comparative Structures.

ATA101 ATATÜRK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I (2+0), Credit: 2, ECTS:3

Basic Concepts, Ottoman State and Periods, Industrial and French Revolution, Tanzimat and Reform Edict, I. and II. Constitutional Monarchy, World War I and Agreements, National Struggle, Turkish Innovation Movements.

RPSI209 POSITIVE PSYCHOLOGY AND COMMUNICATION SKILLS (UEC) (2+0), Credit: 2, ECTS:3

Definition and Basic Concepts of Positive Psychology, Theoretical Foundations and Applications of Positive Psychology, Examining Brain-Behavioral Systems of Emotional Experience and Behavior, Recognition of Self and Others, Psychosocial Life and Problem Solving Skills, Motivation and Planning, Anger, Aggression, Violence, Relationship Management, Healthy Decision Making, Persistence and Compromise.

ODT110 HEARING AND MEASUREMENT I*

(2+2), Credit: 3, ECTS:5

Peripheral Hearing System Anatomy and Physiology, External Ear Structures and Physiology, Middle Ear Structures and Physiology, Inner Ear Structures and Physiology, Pure Tone Audiometry, Speech Audiometry, Introduction to Clinical Masking.

ODT109 VOCATIONAL TECHNOLOGY * (DEC)

(1+2), Credit: 2, ECTS:4

Basic Concepts, Audiometer and Transducer Types and their Calibration, Audiometric Zero Concept and SLM (Sound Level Meter) Types, Electrophysiological Measurement Devices, Biological Calibration, Physical and Acoustic Properties of Silent Cabinets for Hearing Measurement, Tuning Tests, Noise Measurements. Learning the Technical Properties of Audiometer Types in Practice Hour.

1ST GRADE - SPRING

ODT100 HEARING MEASUREMENT II*

(3+2), Credit: 4, ECTS:6

Anamnesis in Pediatric and Adult Patients, Pure Tone and Speech Audiometry, Tuning Tests, Clinical Masking, Clinical Masking in Airway Measurement, Clinical Masking in Bone Conduit Measurement, Clinical Masking in Speech Audiometry, Evaluation of Hearing in Pediatric Group, Patient Samples and Difficult Cases.

ODT114 COMMUNICATION TECHNIQUES IN AUDIOMETRY (DEC)

(2+0), Credit: 2, ECTS:2

Communication and its Steps, Empathy Concept, Body Language, Analysis of Anamnesis Techniques in Audiology, Communication Methods with Pediatric Patients and Their Families, Communication and Story-Taking Techniques with Adult and Elderly Patients, Verbal Practices in Class

ODT102 HEARING LOSSES (DEC)

(2+0), Credit: 2, ECTS:4

Hearing Loss, Types of Hearing Loss, Pathologies Causing Hearing Loss (Outer Ear Diseases, Middle Ear Diseases, Inner Ear Diseases, Cochlear/Retrocochlear Pathologies), Functional Hearing Loss.

ODT112 BASIC MEDICAL AND BIOLOGICAL SCIENCES

(3+0), Credit: 3, ECTS:4

Definition of Histology, Introduction of Histological and Microscopic Methods, Structural Properties of Cell and Cell, Compatibility of Cell with Macroscopic Structure, Cell Membrane and Cytoplasm, Cell Nucleus and Organelles of Cell, Cell Skeleton and Cell Division, General Properties of Tissues and Tissue Types, Epithelial Tissue- General Features and Functions, Covering Epithelium and Secretory Epithelium, Blood Forming Tissues and Production of Blood Cells, Cartilage Tissue, Structure and Arrangement of Cartilage Tissue, Role of Cartilage Tissue in Bone Development and Types of Cartilage, Function of Cartilage in the Organism and Histophysiology, Bone Tissue Structure and Characteristics Tissue Cells, Bone Formation, Bone Repair, Histophysiology and Functions of Joints, Muscle Tissue, Structure and Properties of Muscle Tissue, Types of Muscles and Morphological Differences in the Organism, Skeletal Muscle, Cardiac Muscle, Smooth Muscle, Contraction Mechanism of Muscles, Nervous Tissue, Functions of Nervous Tissue, Structural Elements of Nervous Tissue, Central v e Peripheral Nervous System, Distribution of Structural Elements in the Central and Peripheral Nervous System, Nerve Terminations

RKUL102 UNIVERSITY CULTURE II* (UEC)

(0+2), Credit: 1, ECTS:1

Seminars, Conferences, Panels, Workshops and Interviews to be Held for 14 Weeks within the Framework of a Program Consisting of the Suggestions of Academic Units, Student Council and Student Clubs at the University.

TURK102 TURKISH LANGUAGE II

(2+0), Credit: 2, ECTS:3

Linguistic Consciousness and Ability to Use Language Correctly, Reading Habits, Correct Use of Basic Spelling and Punctuation Rules, Wider Vocabulary, Types of Writing.

INGU102 ENGLISH II

(3+0), Credit: 3, ECTS:3

Tenses, Pronouns, Reading and Word Practices, Prepositions of Place and Time, Possessive Suffixes, Adverbs, Suggestion and Request Sentences, Verbs.

ATA102 ATATÜRK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I (2+0), Credit: 2, ECTS:3

Events, Ideas and Principles in the Birth and Development Process of Modern Turkey, Atatürk's Principles and Revolutions, Turkish Foreign Policy in the Atatürk Era, Turkey's Domestic Politics.

ODT108 INTRODUCTION TO MEDICAL BIOLOGY AND GENETICS

(2+0), Credit: 2, ECTS:3

The Role and Importance of Genetics and Molecular Biology in Medicine, Structure-Reproduction of Genetic Material and Protein Synthesis, Mutations Occurring in DNA, Repair Mechanisms of Mutations, Cytogenetics Used in Medical Genetics, Molecular Cytogenetics and Molecular Diagnostic Methods, Molecular Technologies, Common Single Gene Diseases, Inheritance Theory and Mendelian Genetics, Autosomal and Gonosomal Inheritance Patterns and Examples of Diseases Inherited According to These Patterns, Cell Cycle-Proliferation and Control, Mitosis and Meiosis Division, Gender and Development, Basic Molecular Mechanisms of Cancer Development, Prenatal and Postnatal Diagnostic Methods, Genetic Applications Gaining Knowledge and Skills for Explaining the Ethics Dimension.

2ND GRADE - FALL

ODT213 VESTIBULAR SYSTEM AND EVALUATION METHODS (2+0), Credit: 2, ECTS:4

Peripheral and Central Vestibular System Anatomy and Physiology, Vestibular Reflexes, Vestibular Nuclei, Eye Muscles and Vestibuloocular Reflex (VOR) Relationship, Nystagmus and Its Types, Vestibular Anamnesis, Videonystagmography (VNG).

ODT223 CLINICAL PRACTISE I* (1+2), Credit: 2, ECTS:4

Pure Voice and Speech Audiometry Applications, Airway and bone conduction hearing measurements, Speech Audiometry tests application, Correct Audiogram Writing, Field Applications.

ODT225 HEARING AID AND APPLICATION PRINCIPLES* (2+2), Credit: 3, ECTS:6

History of Hearing Aids, Health Practice Communiqué (SUT) and Hearing Aid Indications, Types of Hearing Aids, Device Selection for Hearing Loss, Ear Tracking Methods, Ear Mold and Acoustic Modifications, Assistive Listening Devices, CROS and BICROS Devices, Digital Signal Processing, Real Ear Measurements (REM).

ADS211 TURKISH SIGN LANGUAGE I* (DEC) (0+2), Credit: 1, ECTS:3

Introduction of Turkish Sign Language, Hand and Finger Shapes, Use of One and Two Hands, Making Sense of Signs, Hand-Body Harmony, Facial Expression-Message Harmony, Sign Language and Lip Movements, Greeting, Communicating with Hearing Impaired Individuals, Expressing Feelings and Thoughts , Asking Questions.

ODT227 ELECTROPHYSIOLOGICAL TEST METHODS* (2+2), Credit: 3, ECTS:6

Immittancemetric Measurements, OAE, Early-Middle and Late Latency Responses, ASSR.

SAH101 HEALTH LAW (DEC) (2+0), Credit: 2, ECTS:3

Basic Concepts of Health Law, Patient Rights, Physician's Rights, Privacy in Medical Intervention, Medical Intervention, Unlawful Medical Intervention, Legal Dimensions of Patient and Hospital Relationship, Medical Error Concept and Legal Dimension.

MET101 VOCATIONAL ETHICS (2+0), Credit: 2, ECTS:2

Basic Concepts of Ethics, Moral Rules and Values System, Human and Patient Rights, Virtues that Healthcare Professionals/Audiometry Technicians Should Have, Principles of Professional Ethics.

MYO020 CAREER PLANNING AND VOCATIONAL COMPETENCES (VSHSEC) (2+0), Credit: 2, ECTS:2

Concepts of knowledge, skills, talent, competence, Self-evaluation, self-awareness concepts and their importance in terms of career, Effective Interview and CV preparation techniques, Stress and stress management in the career planning process, Talent and competence management in recruitment and career management, psychotechnical tests, assessment center information about current practices.

2ND GRADE - SPRING

ODT200 CLINICAL PRACTISE II*

(1+2), Credit: 2, ECTS: 4

Pure Voice and Speech Audiometry Applications and Difficulties, Audiogram Reading and Correct Audiogram Writing, Clinical Masking Applications, Difficulties in Masking, Solution and Application in Rare Pathologies, Correct Approach to Difficult Cases, Correct Audiogram Writing, Communication with the Patient, Applications for Correct Solutions , Coordinated Use of Audiological Test Batteries, Understanding the Relationship of Results from Diagnostic Tests, Collaboration with ENT Doctors and Audiologists and Expectations, Field Applications.

ODT999 SUMMER INTERNSHIP***

(0+20 Work Days), Credit: 0, ECTS:9

Students Putting The Theoretically Learned Knowledge Into Practice, Internship Applications.

ODT216 AUDIOLOGICAL EVALUATION WITH CASES

(2+0), Credit: 2, ECTS:4

Cases with Audiological Symptoms, Clinical Protocol for Adult Patients, Clinical Protocol for Pediatric Patients, Correct Audiogram Writing and Audiogram Result Writing.

ODT218 HEARING SCREENINGS

(2+0), Credit: 2, ECTS:4

Purpose of Hearing Screenings, History of Hearing Screenings, Hearing Screening Protocols, Diagnostic Values of Hearing Screenings, Importance and Effect of Screenings, Screening Applications.

ADS212 TURKISH SIGN LANGUAGE II* (DEC)

(0+2), Credit: 1, ECTS:3

Hand and Finger Shapes, Positions of the Hands in Relation to the Body, Function of Mimics, Use of One and Two Hands, Meaning of Signs, Hand-Body Harmony, Facial Expression-Message Harmony, Sign Language and Lip Movements, Greeting, Communicating with Hearing Impaired Individuals, Emotions and Thoughts Telling, Asking Questions, Formation of Sentence and Story, Exercises, Music Studies with Sign Language.

ILK101 FIRST AID (DEC)

(2+0), Credit: 2, ECTS:3

General First Aid Information, Human Body, Patient/Injured and Crime Scene Evaluation, Basic Life Support, Respiratory Tract Obstructions, Hemorrhages and Shock, Injuries, Burns, Frostbite, Heat Stroke, Unconsciousness (Loss of Consciousness, Convulsions, Low Blood Sugar, Chest Pain), Poisoning, Animal Bites, Eye-Ear-Nose Ingestion, Choking, Fractures, Dislocations, Sprains, Transport Techniques.

ODT220 RESEARCH METHODS AND TECHNIQUES IN AUDIOMETRY

(2+0), Credit: 2, ECTS:3

Literature Search, Article Reading Techniques, Article Criticism, Article Presentation,
Access to Scientific Innovations, How to Write an Article, Reference Arrangement.