

ISTINYE UNIVERSITY
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF SPEECH AND LANGUAGE THERAPY
COURSE DESCRIPTIONS

1st SEMESTER

DKT101 – Basic Physics And Physics Of Sound (2 ECTS)

Physics and measurement; motion in one dimension; vectors; movement in two dimensions; laws of motion; circular motion and newton laws; work and kinetic energy; conservation of potential energy and energy; law of gravity; linear momentum and collisions; rotation of rigid bodies about a fixed axis; rolling motion and angular momentum; static equilibrium and elasticity; vibration motion; sound waves; fluid mechanics; concepts of violence and pressure; phon, sone, equivalent power levels.

Anatomy (4 ECTS)

Introduction to Human Anatomy, Anatomy and Anatomical Planes, Medical Terminology, Anatomy of the Bones- Cranium and Columna Vertebralis, Bones- Anatomy of the Upper Extremity Bones, Bones- Lower Limb Bones Anatomy, Joints- Head and Spine Joints Anatomy, Joints- Limb Joints, Muscles: Heart Anatomy of Muscle and Heart, Muscles: Straight Muscles, Muscles: Skeletal Muscles, Circulatory System Anatomy- Heart iDamarlar, Lymphatic System and Blood, Anatomy of the Respiratory System, Anatomy of the Respiratory System, Anatomy of the Endocrine System, Anatomy of the Digestive System, Anatomy of the Digestive System-Addition organs Anatomy of the Nervous System, Sense organs, Nervous System, Central Nervous System and Peripheral Nervous System, Nervous System Anatomy Somatic and Autonomic Nervous System

DKT107 – Introduction To Hearing Science (3 ECTS)

Anatomy and physiology of hearing and balance system; concepts associated with hearing and balance science; acoustic properties of hearing processes: sound, sound waves, frequency, intensity, duration, pressure, pitch and amplitude concepts; hearing science.

DKT109 – Introduction To Language And Speech Disorders (3 ECTS)

Development and history of language and speech therapy profession in Turkey and in the world; the task description of the language and speech therapist; communication; language and speech processes; classification of communication, language and speech disorders from clinical and educational perspectives; reasons, types and qualities of communication, language and speech disorders; language

and speech disorders; language disorders; phonology-speech sound disorders; stuttering; hearing impaired; voice disorders; neurogenic communication disorders; co-operation with different disciplines: team work, the role of other specialists, task limits, swallowing disorders, developmental language.

ENG101 General English I (3 ECTS)

This course is a learner-centred, integrated-skills based course that will develop students in the four skills (reading, writing, listening and speaking) in an academic context.

Elective Course (General Embryology) (3 ECTS)

Description of embryology; prevention of embryology for language and speech therapists; embryological development; fetus period; segmentation; blastulasyo's; gastrulation; neuralization and formation of germ leaves: ectodermin formation, mesodermin formation, endodermin formation; organogenesis: eye formation, nervous system formation; lip and palate development: embryology of cleft lip and palate, types of cleft lip and cleft palate, embryology of palate and lips, craniofacial development of respiratory and digestive system, development of skull bones, theories, integration of extensions, mesodermal migration.

Physiology (3 ECTS)

Basic concepts and terms in physiology; cell physiology; nervous system physiology; physiology of sense organs; physiology of muscle system; physiology of the digestive system; physiology of the circulatory system; respiratory system physiology; physiology of the excretory system; reproductive physiology; endocrine system physiology.

Elective Course (3 ECTS)

Elective Course (3 ECTS)

Elective Course (3 ECTS)

2nd SEMESTER

DKT 102 – Neuroanatomy And Neurophysiology Of Language And Speech (4 ECTS)

What is communication?; What is tongue?; What is speech?; Speech organs; speech chain; nervous system organization; neuron and neuronal communication; glial cells; embryological development of the central nervous system; central nervous system anatomy; brain functional anatomy and physiology; brain language areas and functions; cerebral cortex and tongue processing.

DKT 104 – Phonetic And Phonetic Laboratory (4 ECTS)

Basic concepts in phonology; speech organs and functions; consonants of Turkic: phonemes; families of the Turkic: voice units; consonants of Turkic: phonemes; famous people of Turkic: phonemes; consonants in world languages; renowned in world languages; speaking in context: piecewise features; conversation in context: co-articulation, transcription.

DKT 108 – Child Health And Child Neurology (3 ECTS)

Normal brain development; normal neuromotor development; risk factors that cause disability and risky baby monitoring; mental retardation in terms of childhood neurology; infections of childhood nervous system; classification of neurodevelopmental and psychiatric disorders: cognitive disorders; motor disorders; vision-hearing and speech disorders; epilepsy; schizophrenia; dyslexia; learning problems and autism, cerebral palsy diagnosis and follow-up, referral, epilepsy, definition and first aid, delayed language and speech in children, neurological problems with autistic findings and language development, team work in neurological diseases.

DKT 110 – Language Acquisition Theories (3 ECTS)

Psycholinguistics as a field of applied linguistics; language as a cognitive system; relation between language and thought; the nature of language proficiency; psychological mechanisms in language acquisition and production; language processing-paradigm of information processing; language is related to memory, attention, cognition; different approaches in psycholinguistics; theories of language acquisition; language acquisition and development process in normal children: stages of language development in infancy, pre-school and school-age children; phonetics, syntax, semantic knowledge and development of knowledge; delayed language and speech; comparison of language development with normal development in children with disabilities; case studies in children's language development; language development in Turkish children and language comparisons; examination of language acquisition researches in Turkey; techniques for taking a language sample; field work; taking measurements; analysis, evaluation and interpretation of language measurements.

DKT 112 – Clinical Observation Of Language And Speech Disorders I (2 ECTS)

Evaluation in speech and speech therapy: psychometric measurement, definitions; basic screening, measurement and interview techniques in language and speech therapy; the importance, principles and practice of screening, measuring and interviewing techniques used in different disciplines; formal and informal assessment, natural data collection and analysis; interpretation and reporting of information obtained by different screening, measurement and interview techniques applied to individuals with different language and speech problems; language and speech tests; storytelling, interaction and observation; presentation and discussion of the results of screening, measuring and interviewing with various observations and applications

ENG102- General English II (3 ECTS)

This course is a learner-centred, integrated-skills based course that will develop students in the four skills (reading, writing, listening and speaking) in an academic context.

Use Of Basic Information And Communication Technologies (2 ECTS)

To give basic information about computer systems, Internet and commonly used services and to give basic skills about operating system and office application programs (MS Word, Excel, PowerPoint, Access).

DKT 114 – Elective Course (Individuals With Special Needs) (3 ECTS)

Definitions and terminology related to being special needs; mainly special needs groups: individuals with mental retardation, individuals with pervasive developmental disabilities, hearing loss individuals, visually impaired individuals, individuals with language and speech disorders, gifted individuals, students with learning disabilities, individuals with emotional-behavioral problems; educational initiatives applied to special needs individuals; special education; cohesion and support special education services; special education during early childhood and pre-school periods; special education in Turkey; in the world and in Turkey; social state and disability; public policies towards the disabled: past, present; the quality and quantity of disabled population in Turkey; the situation of the disabled in social life; the status of the disabled in working life; seeking policy and education for disabled people.

Elective Course (3 ECTS)

Elective Course (3 ECTS)

3rd SEMESTER

DKT 201 – Applied Behavior Analysis (4 ECTS)

Behavioral approach; applied behavior analysis; basic concepts in applied behavior analysis; reactive and operant conditioning; identification and identification of target behaviors; measuring target behaviors; anecdote and Applied Behavioral Checklist (ABC) recording; permanent product registration; event recording and controlled event recording; checklists; time recording and standby time recording; the interobserver reliability in these types of records; time interval recording; recording with instantaneous sampling; the interobserver reliability in these types of records; processing the data on the recorded behaviors in graphs; interpretation of graphics; improve appropriate behavior; symbol reinforcement; stimulus control; pre-behavioral stimuli; generalization of stimuli; reducing inappropriate behavior; ethical problems in reducing behavior; presentation and discussion of prepared behavior modification plans.

DKT 203 – Ear Nose Throat Diseases And Oral Face Anamolies (3 ECTS)

Ear evaluation methods: otoscopy; microscopy; ex-ante evaluation; imaging; clinical features of external and middle ear diseases; diagnosis and treatment methods; clinical features of inner ear diseases; diagnosis and treatment methods; clinical features of cochlea ovestibular diseases; diagnosis and treatment methods; clinical features of central auditory system diseases; diagnosis and treatment methods; simple anatomy and physiology of the nose, nasal sinuses and face; evaluation methods; mouth and pharynx, simple anatomy and physiology; evaluation methods; disease and treatment methods; simple anatomy-physiology of larynx; evaluation methods; diseases and treatment methods; neck: simple anatomy-physiology, including the thyroid gland; evaluation; disease diagnosis and treatment methods; salivary glands: simple anatomy-physiology, disease, diagnosis and treatment.

DKT 209 –Acoustics Of Speech And Hearing And Perception (3 ECTS)

What is the knowledge of hearing and speech? The key to language and speech therapists; respiration: types of respiration and sentence; phonation; resonance; phonetics; acoustical properties of speech sounds: consonants; acoustical properties of speech voices; physiological measurements of speech sounds; hearing and perception; perception of speech sounds: acoustic cues in consonants; perception of speech voices: acoustical tips in fame.

DKT 211 – Basic Principles Of Rehabilitation (2 ECTS)

What is rehabilitation?; What is habilitation?; What is therapy?; What is the treatment?; Concepts of disability/disability/disability according to WHO definitions; introduction of the basic principles of the rehabilitation concept in relation to other relevant fields of expertise and accordingly the introduction of institutions related to language and speech rehabilitation and institutional visits.

DKT 205 – Basic Audiology I (3 ECTS)

Hearing and balance anatomy and physiology; hearing assessment; pure audio audiometer; acoustic immunity; hearing loss; hearing screenings; auto acoustic emissions; auditory potentials; auditory neuropathy spectrum impairment; pediatric audiology and evaluation; geriatric audiology and evaluation; dizziness and evaluation; tinnitus and evaluation; central auditory processing and specific language impairment.

DKT 213 – Clinical Observation Of Language And Speech Disorders II (2 ECTS)

Evaluation in speech and speech therapy: psychometric measurement, definitions; basic screening, measurement and interview techniques in language and speech therapy; the importance, principles and practice of screening, measuring and interviewing techniques used in different disciplines; formal and informal assessment, natural data collection and analysis; interpretation and reporting of information obtained by different screening, measurement and interview techniques applied to individuals with different language and speech problems; language and speech tests; storytelling, interaction and

observation; presentation and discussion of the results of screening, measuring and interviewing with various observations and applications

Manifesto Of İstinye I (1 ECTS)

In the manifesto of İstinyelik, it is explained how an İstinyeli should have its characteristics. He is a leader, works with the spirit of the team, is competitive, rational and strategic thinker, values information, lives with Universal and ethical values, is hardworking, responsible for society, is a sportsman. It is a culture and various goals have been set for the transfer of this culture to the students. Within the scope of the course, students are expected to achieve these goals.

Elective Course (Kinesiology) (3 ECTS)

Basic elements of the anatomy; respiratory anatomy; respiration physiology; funding anatomy; physiology of phonation; articulation and resonance anatomy; articulation and resonance physiology; chewing and swallowing anatomy; physiology of chewing and swallowing; hearing anatomy; hearing physiology.

Elective Course (General Pharmacology) (3 ECTS)

General definitions and concepts related to drugs; drug administration routes; pharmacokinetics; pharmacodynamics; factors that alter the effects of drugs; drug interactions; drugs related to the peripheral nervous system; central nervous system related drugs; respiratory system related drugs.

DKT 217 Elective Course (Specific Learning Impairment) (3 ECTS)

Specific learning disorders: definitions and concepts, subgroups and their properties; definitions of dyslexia and dysgraphia; language skills and development processes of upper language skills; the development of reading and writing; developmental and acquired dyslexia, dysgraphia and dicalkuli; theories and approaches in dyslexia and dysgraphia; dyslexia, dysgraphia and dicarkulide evaluation and differential diagnosis methods; therapy approaches; development of therapy tools; case studies and applied studies.

Elective Course (3 ECTS)

4th SEMESTER

DKT202 – Childhood Language And Speech Disorders (3 ECTS)

Language, speech and voice disorders in school age; assessment and diagnostic scales; evaluation of school language, speech and voice disorders; different approaches in school language, speech and voice therapy, therapist-based therapy approaches; family-centered venture approaches; student-centered therapy approaches; management of team work in educational settings; therapist-student-teacher-family cooperation in the management of language, speech and voice disorders in school age.

DKT204 – Introduction To Cognitive Neuroscience (3 ECTS)

Neuroscience and cognitive neuroscience: discipline field, historical development, relation with other disciplines; the organization of the nervous system, the relationships between brain mechanisms and psychological and cognitive functions; space, attention, perception, memory, emotion, language, complex visual perception, reasoning and abstraction, mathematics, planning and sequencing, structuring, praxis, face recognition and object recognition and executive functions; cognitive development and metacognition; damages caused by impairment of the nervous system; Introduction of brain imaging methods and techniques (PET, fMRI, SPECT etc.); radiological examinations; cognitive neurodiagnostic case studies in language disorders.

DKT 206 - Clinical Phonology (3 ECTS)

Clinical phonology: definitions and concepts; the importance of phonology in speech and speech therapy; phonology theories and their application in clinical practice; theory of differential properties; natural sound theory; language universals; new theories; use of phonological processes in clinical evaluation; phonological analysis methods; phonological development in children with normal and various inadequacies; phonological disorders: definition and classification; phonological data collection from children: voice and vocal repertoire; phonological process analysis; applied studies.

DKT210 – Neurolinguistics (3 ECTS)

What is neuro-linguistics? What is the relationship with language and speech therapy?; Brain, brain lobes and functions, the centers of receiving, perceiving, analyzing, understanding and producing the brain, process of information processing; memory, and other executive functions-continue; introduction to acquired language disorders: aphasia; linguistic loss of aphasia; cognitive communicative disorder: TBI (introductory); executive functions and evaluation; executive functions and student presentations; locations of reading and writing in the brain and the realization of the process

DKT214 - Clinical Linguistics (3 ECTS)

Clinical linguistics: definition, linguistics and language-speech therapy relationship; contribution of linguistics to the field of language disorders; linguistic approach to language and speech disorders.

DKT208 – Computerized Speech Laboratory (3 ECTS)

Examples of hardware and software used in speech and voice analysis, speech analysis, analysis of voice, examination and measurement of acoustic components of speech, research and clinical use of computerized speech laboratory.

DKT 212 – Basic Audiology II (3 ECTS)

Hearing and balance anatomy and physiology; hearing assessment; pure audio audiometer; acoustic immunity; hearing loss; hearing screenings; auto acoustic emissions; auditory potentials; auditory

neuropathy spectrum impairment; pediatric audiology and evaluation; geriatric audiology and evaluation; dizziness and evaluation; tinnitus and evaluation; central auditory processing and specific language impairment.

Research Methods (2 ECTS)

In this course, science, scientific research, scientific method definitions, principles of scientific research, types of research, ethical rules in research, introduction to research process (problem, purpose, importance, premise and writing limitations), method (research model, universe and sample, collection of data, solution of data), findings, comments and summary and recommendations will be discussed in writing sections. In addition, research proposal preparation (screening, problem determination, pilot study and report preparation) methods and techniques will be emphasized, students will be provided to prepare a research proposal on their chosen topics.

Manifesto Of İstinye II (1 ECTS)

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Elective Course (3 ECTS)

Elective Course (3 ECTS)

Summer Internship I (0 ECTS)

Evaluation and therapy methods in language and speech therapy are practiced in practice; language and speech disorders, and check lists for therapeutic use; evaluation tools; test kits; development of therapy tools; implementation; reporting; evaluation; not developing therapy tools; use of technology in therapy and reporting.

Observing the basic knowledge and skills acquired in the field of language and speech disorders in clinical practice; observing private or public education and rehabilitation institutions; using the knowledge and skills of language and speech disorders specialists; obtaining information about practices in different institutions and different groups of patients; follow a certain number of patients; reporting and filing the information of the patients followed.

5th SEMESTER

DKT301 – Acquired Neurogenic Language Disorders (3 ECTS)

Understanding the functioning of the treatment unit concerned; theoretical and practical review of acquired aphasia information; assessment of the case; establishment of an Individualized Therapy Plan (ITP); aphasia therapy; evaluation of the case after therapy; reporting of the therapy process; practice with different cases specific to the treatment unit.

DKT303 – Fluency Disorders (4 ECTS)

Definition of fluency in speech and fluency in speech; causes of fluency problems in speech; types of fluency problems in speech; evaluation of fluency problems in speech during early childhood, childhood and adulthood; stuttering; the biological and physiological basis of the stammina; stuttering theories; jabber; developmental stuttering; acquired stuttering; early stuttering.

DKT305 – Speech Sounds Disorders (4 ECTS)

Speech speech disorders: definitions and terms; articulation (phonetics) and phonology relation; biological and neurological components necessary for speech speech production; Classification of speaking voice disorders; characteristic features and etiology of speech speech disorders; the effects of speaking voice disorders on academic and social life; evaluation of speaking voice disorders; therapy approaches in speaking voice disorders; case application for assessment and therapy plan.

DKT307 – Voices Disorders (3 ECTS)

Examination of normal anatomy and physiology of sound production mechanism; Acoustic, perceptual and instrumental measurements used in the evaluation of sound disorders; the causes of voice disorders and functional, neurological and organic voice disorders.

DKT309 – Swallowing Disorders (3 ECTS)

Dysphagia: swallowing anatomy, structures and functioning; neuroanatomy of normal swallowing, physiology; classification of swallowing disorders: neurogenic, mechanical, structural swallowing disorders; reasons.

DKT311 – Motor Speech Disorders (3 ECTS)

Motor speech disorders, definition, classification, types, reasons; acquired dysarthria and apraxia, developmental dyspraxia; lower and upper motor neuron disorders; pyramidal, extrapramidal, cerebellar system disorders; problems with talking engine programming; dysarthria and apraxia evaluation and therapy methods; cerebral palsy: evaluation, differential diagnosis and therapy methods, practice studies.

Manifesto Of İstinye III (1 ECTS)

In the manifesto of İstinyelik, it is explained how an İstinyeli should have its characteristics. He is a leader, works with the spirit of the team, is competitive, rational and strategic thinker, values information, lives with Universal and ethical values, is hardworking, responsible for society, is a sportsman. It is a culture and various goals have been set for the transfer of this culture to the students. Within the scope of the course, students are expected to achieve these goals.

DKT313 Elective Course (Basic Orthodontics And Prosthetics) (3 ECTS)

Orthodontic development during growth; developmental periods; basic concepts; orthodontic interventions in the palate; orthodontic diagnosis and evaluation; prostheses, types; dentition; team approach to intervention; orthodontic intervention in early infancy; orthodontic problems and interventions in children with craniofacial anomaly; speech equipments and their application methods; family education.

Elective Course (3 ECTS)

Elective Course (3 ECTS)

6th SEMESTER

DKT302 – Neurogenic Acquired Language Disorders: Therapy (4 ECTS)

Understanding the functioning of the treatment unit concerned; theoretical and practical review of acquired aphasia information; assessment of the case; establishment of an Individualized Therapy Plan (ITP); aphasia therapy; evaluation of the case after therapy; reporting of the therapy process; practice with different cases specific to the treatment unit.

DKT304 – Fluency Disorders: Therapy (4 ECTS)

Therapeutic approaches in fluency disorders; shaping of fluency; smoother stuttering; individual therapies; group therapies; valsalva therapy; music therapy; cognitive therapy; preschool therapy approaches; school-age therapy approaches; adult therapist approaches.

DKT306 – Voices Disorders: Therapy (4 ECTS)

Assessment of early childhood and adulthood disorders: history taking, perceptual assessment and analysis, instrumental measurements; interpretation and reporting; therapist and otorhinolaryngologist and business associations with different disciplines; prevention of voice disorders; therapy approaches in

voice disorders: sound hygiene and protection techniques, vocal function exercises, accent therapy, various techniques; laryngectomy; applied studies with case studies.

DKT308 – Language And Speech Therapy In CPL (4 ECTS)

Speech problems of children and adult cleft lip and tongue problems; embryology, methods of evaluating cases before and after surgery and speech therapy initiatives; team approach to evaluation, role of speech and language expert in surgical initiatives; evaluation of speaking and programming of therapy approaches, development and applied researches.

DKT312 – Swallowing Disorders: Therapy (4 ECTS)

Diagnosis and evaluation processes of eating, feeding and swallowing disorders in infants, children and adults; therapy methods and applications in swallowing disorders; radiological imaging, bedside evaluation; videofluoroscopic evaluation; fiberoendoscopic evaluation and therapy methods; practical work with cases.

Manifesto Of İstinye IV (1 ECTS)

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DKT314 –Elective Course (Specific Language Impairment) (3 ECTS)

Definition and identification of specific language disorders; developmental language and language disorders; therapy of specific language impairment; literature studies on therapy outcomes.

DKT310 –Elective Course (Alternative And Supportive Communication Systems) (3 ECTS)

Alternative and supportive tools and methods used to meet communication needs in language and speech problems: signs and other symbol systems; technology and contents of these methods, equipment and equipment, from the smallest hand-made vehicle to computer-aided speech producing tools, scope and features; application in language and speech laboratory.

Elective Course (3 ECTS)

Summer Intership II (0 ECTS)

Evaluation and therapy methods in language and speech therapy are practiced in practice; check lists for evaluation and therapy in language and speech disorders; evaluation tools; test kits; the development and

use of therapy tools; utilization of technology; determine, implement and, if necessary, change the appropriate therapy method; (articulation disorder, phonological disorder, developmental language, acquired language impairment, motor speech impairment, voice impairment, and impaired swallowing) in each of the different clinical areas; write a case report, record progress, terminate

7th SEMESTER

DKT407 – Electrotherapy In Language And Speech Therapy (3 ECTS)

Medulla spinalis functions; structure and function of cell membrane, transition from cell membrane, osmosis and diffusion; action potential and ion channels; smooth muscle physiology; striated muscle physiology; neuromuscular junction and muscle motor unit features; somatic senses: pain and heat; somatic senses: touch; central nervous system physiology; physiology of respiratory and digestive system; agonist and antagonist working facial muscles; agonist and antagonist running head and neck muscles; TENS, NMES, EEG, EMG. Reflexology, sensory integration, etc. studies.

DKT 409 – Basic Imaging And Analysis Methods (2 ECTS)

Basic concepts in medical imaging; classification of medical images; Computerized Tomography (CT); Magnetic Resonance Imaging (MRI); ultrasound imaging; nuclear imaging (PET, SPECT); image quality problems and problems in medical imaging; analysis of medical images; compression of medical images; three - dimensional image processing.

DKT411– Language And Speech Disorders Internship (3 ECTS)

Understanding the functioning of the treatment unit concerned; theoretical and practical observation of information obtained from speech disorders, fluency disorders, delayed speech, selective mutism, phonological disorders; evaluation of cases; establishment of an Individualized Therapy Plan (ITP); language and speech therapy; evaluation of the case after therapy; reporting of the therapy process; practice with different cases specific to the treatment unit.

DKT403 – Presentations On Current Topics In LST And Report Writing (3 ECTS)

Current topics and events related to speech voice disorders; current issues and events related to acquired language disorders; current issues and events related to developmental language; current issues and phenomena related to voice disorders; current issues and events related to swallowing disorders; up-to-date information and facts about audio-visual disorders; syndromic events and current topics; special needs cases and current issues; basic report writing techniques and report writing applications.

DKT405 –Threapy Program Material Developing (3 ECTS)

First interview in language and speech therapy; developing a therapy plan in language and speech therapy; evaluation of speech voice disorders and development of a therapy plan; evaluation of pre-school childhood language disorders and development of a therapy plan; evaluation of language, speech and communication skills in autism spectrum disorders; language evaluation and development of a therapy plan in school children; development of aphasia evaluation and therapy plan; evaluation of voice disorders and development of a therapy plan; evaluation of fluency disorders and development of a therapy plan; evaluation of swallowing disorders and development of a therapy plan; psychometric measurement and evaluation; evaluation of the oral-peripheral speech mechanism and development of a therapy plan.

Graduation Practice I (3 ETCS)

The subject of interest of the student is determined; resources are determined with the student; time is given to students for writing of introduction; The resources for the collection of literature are determined; The experimental control group is determined according to the research method; Students are given time to conduct research; First data are classified; The data is interpreted and the results are written; Time is given for discussion; The student is given time to write resources; The thesis advisor reads the thesis and writes the comments; The student and the advisor discuss the findings; Last corrections are made; The thesis is approved.

ATA411 – Atatürk's Principles And Revolution I (2 ECTS)

This is followed by students, Kuva-yi Milliye and Facades (Adana, Antep, Maras, Urfa), the establishment of the Regular Army and the Western Front, the wars that changed the history of Turkey, the abolition of the Sultanate, the establishment of the Republic of Turkey, Establishment of Turkish History Institution and Turkish Language Institution and Atatürk Principles.

TURK411 – Turkish Language And Literature I (2 ECTS)

To show the features of Turkish language, to show the rules of operation, To develop students' vocabulary through written and oral texts; To obey the rules of spelling, to give students the habit of using punctuation marks locally; To give students the habit of reading books; To provide students with scientific, critical, inquisitive, interpreting, creative and constructive thinking habits.

DKT401 – Elective Course (Play And Activities In LST) (3 ECTS)

Definition of play; place of play in human life and its importance; concept of game therapy and theoretical approaches; non-oriented game therapy, child-centered game therapy, cognitive behavioral game therapy; use of game therapy and speech therapy in language and speech therapy; games and phases according to developmental periods; relationship with child, observation, reflection, creativity; game and activity based intervention applications.

Elective Course (3 ECTS)

Elective Course (3 ECTS)

8th SEMESTER

DKT408 – Voice And Swallowing Disorders Internship (3 ECTS)

Understanding the functioning of the treatment unit concerned; theoretical and practical review of information obtained about sound and swallowing disorders; evaluation of cases; establishment of an Individualized Therapy Plan (ITP); voice therapy application; swallowing therapy; assessment of cases after therapy; reporting of the therapy process; practice with different cases specific to the treatment unit.

DKT410 – Auditory Rehabilitation Internship (3 ECTS)

Understanding the functioning of the treatment unit concerned; theoretical and practical review of the information obtained about auditory rehabilitation; assessment of the case; establishment of an Individualized Therapy Plan (ITP); implementation of auditory rehabilitation; evaluation of the case after therapy; reporting of the therapy process; Practice with different cases specific to the treatment unit.

DKT406 – Language And Speech Disorders Internship In Special Needs Individuals (3 ECTS)

Language acquisition and language features in children with mental and multiple disabilities; language and cognition development; karyotype and behavioral differences; autism, down syndrome, williams syndrome, hydrocephalus; theoretical approaches in language acquisition; evaluation methods and differential diagnosis; therapy in children with autism, mental and multiple disabilities; case studies and applied studies and advanced therapy applications.

DKT 412 -Graduation Practice II (3 ECTS)

The subject of interest of the student is determined; resources are determined with the student; time is given to students for writing of introduction; The resources for the collection of literature are determined; The experimental control group is determined according to the research method; Students are given time to conduct research; First data are classified; The data is interpreted and the results are written; Time is given for discussion; The student is given time to write resources; The thesis advisor reads the thesis and writes the comments; The student and the advisor discuss the findings; Last corrections are made; The thesis is approved.

ATA421 – Atatürk's Principles And Revolution II (2 ECTS)

This is followed by students, Kuva-yi Milliye and Facades (Adana, Antep, Maras, Urfa), the establishment of the Regular Army and the Western Front, the wars that changed the history of Turkey, the abolition of the Sultanate, the establishment of the Republic of Turkey, Establishment of Turkish History Institution and Turkish Language Institution and Atatürk Principles.

TURK421 – Turkish Language And Literature II (2 ECTS)

To be able to identify the elements of the cümle and their importance in order to make good, good and good sentences; to be able to read and examine works related to the world of literature and thought and to apply rhetoric; to know the written composition types and to make applications about them; to be aware of language mistakes and to be able to correct them, to know the rules to be followed in the preparation of scientific writings and to apply them. To be able to improve the ability of the student to speak and write well, based on selected texts from Turkish and world literatures and thought history.

DKT402 – Elective Course (With Family Working In Language And Speech Therapy) (3 ECTS)

Prevention of language and speech disorders; counseling concepts and terms; counseling models; consulting skills; personal characteristics of consultants; technical specifications of consultants; family counseling; effective interview techniques; counseling the child; counseling for teachers family concept; terminological clarification on the concept of inadequacy; language and speech disorders or participation of the disabled person in the family; the reaction of the individual to the participation of the individual with language and speech impairment; models that describe the barrier adaptation process: stage model, continuous sadness model, helplessness nonsense-weakness model; adaptation of the chaos theory to the adaptation process; psychological dynamics in adjustment; the effect of sleeping on the cultural structure; work with disabled children's families; the situation of children with disabilities in Turkey; language and speech therapy and learning process.

DKT404 –Elective Course (Music Applications In Language And Speech Therapy) (5 ECTS)

What is music? Sound and sound; rhythm, solfege, bow, stroke, porte, note, keys, note values, extension signs, breathing; dimension concept and dimension lines; accents and ornaments; audio sequences, octave, gamut; major and minor sequences; listening; say; stealing; musical perception and information; music culture; behaviors related to artistic dimension and articulation of compositions composed for singing education; purpose, principles and methods of singing education; singing education; differences between singing education and singing education; using the right breath; formation of the voice in the right place (conformity to the anatomical structure); correct use of the language; voice education, singing education and singing education are related to each other.

Elective Course (3 ECTS)

Elective Course (3 ECTS)