

## **BACHELOR PROGRAMME IN LOGOPEDICS**

**Educational degree:** Bachelor

**Professional qualification:** Logopedics

**Training type:** fulltime

**Training duration:** 8 semesters

Logopedics is developing as a higher education specialty at South-West University for more than 25 years. Nowadays this is a well-established specialty within the scientific direction of Public Health, successfully accredited by the NAEA in year 2015 for a period of 5 years.

The Department of Logopedics providing training in the field was opened as an independent one after the separation from Special Education in 2002.

The training is delivered by high-qualified lecturers (professors, assoc. professors, assistant professors with PhD) from the Department and other university units.

The curriculum structure is according to the requirements of IALP (International Association of Logopedists and Phoniatriests) and also meets the standards of CPLOL (Standing Liaison Committee of E.U. Speech and Language Therapists and Logopedists).

The goal of training is to offer to undergraduates thoroughgoing knowledge of speech, language, voice and hearing disorders, etiology, disorders mechanism and symptomatic. Students are trained to know and use diagnostic and therapeutic instruments and measures in order to treat a variety of speech and language disorders in children and adults such as:

- Specific learning disorders
- Motor-speech disorders
- Communication disorders in persons with emotional-behavioral diseases
- Communication disorders in children with multiple disorders
- Communication disorders in psychiatrics
- Communication disorders in children with cerebral palsy
- Articulation disorders
- Language disorders during the childhood
- Acquired language disorders
- Fluency disorders
- Voice disorders
- Hearing disorders
- Communication disorders in children with cleft palate.

If necessary, a clinician is able to hold consultative work with children with communication disorders, their parents, with adults with communication disorders and their families. The clinician works with a team of ophthalmologists, orthodontists, otorhinolaryngologists, foniaticians, neurologists, psychologists, psychiatrists and audiologists in specialized clinical institutions, centers for rehabilitation of hearing and speech, diagnostic clinical centers, hospitals.

The high quality of students' training is also due to modern office and therapeutic equipment placed at the Recourse Centre (1995), the University Stuttering Research Centre (2000), the KayPentax Speech Lab (2007), and the Faculty Centre of Logopedics for practice and research (2009). Also, clinical practice in Logopedics is run at specialized settings, diagnostic and therapeutic centers, daily care centers, and etc.

Undergraduates in Logopedics who demonstrate high scores in training and are fluent in English or other foreign language may join training abroad via Erasmus+ Programme for student exchange for the duration of one term. There have been the following bilateral agreements until the present: University of Gent, Belgium; University Ruhr, Bochum, Germany; KATHO, Belgium; University of La Sapienza, Italy; University Maria-Curie Skłodowska, Poland; University of Stockholm, Sweden; University of Eskisehir, Turkey, etc.

The lecturers from the Department are participating in international programmes for academic exchange and welcome visiting lecturers from EU universities, US and others.

The Bachelors Programme in Logopedics is the first university degree only full-time enrolment, four years of training. Students are awarded 240 ECTS for the entire period of training which is a basis for entering Masters' degree at SWU, other Bulgarian universities or abroad.

Logopedics at SWU is the first Bulgarian independent specialty in the scientific and professional field, and is attracting many young people in Bulgarian and from nearby countries. The opportunities for placement are various, including logopedic and diagnostic centres, clinics, hospitals, social settings, both state and private.

## CURRICULUM – BACHELORS DEGREE IN LOGOPEDICS

<b>Year 1</b>			
<u>Semester I</u>	ECTS	<u>Semester II</u>	ECTS
1. Phonetics	4.0	1. Applied neurophysiology	5.0
2. Human anatomy and physiology	5.0	2. Modern Bulgarian language and linguistics	5.0
3. Introduction to Medicine	4.0	3. Cognitive psychology	3.0
4. General psychology and developmental psychology	5.0	4. Phoniatics	5.0
5. Basics of medical genetics	3.0	5. Psychology of abnormal development with psychodiagnostics	7.0
6. Otorhinolaryngology	6.0	6. Psycholinguistics and sociolinguistics	5.0
7. English language	3.0	7. Sports	0.0
8. Sports	0.0		
	<b>Total 30</b>		<b>Total30</b>
<b>Year 2</b>			
<u>Semester III</u>	ECTS	<u>Semester IV</u>	ECTS
1. Research and analitic methods in speech and language pathology	1.0	1. Neurology	5.0
2. Basics of logopedics	5.0	2. Communication disorders, part I (Articulation, Cleft palate)	9.0
3. Neuropsychology and neurolinguistics	4.0	3. Communication disorders, part II (child language disorders)	9.0
4. Audiology	5.0	4. Practice in logopedics (one day)	3.0
5. Basics of therapy and rehabilitation	4.0		
6. Psychopathology	3.0		
7. Voice disorders	8.0		
		<b>Elective courses (students choose one course of group I)</b>	
		1. Child language development	4.0
		2. Paediatrics	4.0
		3. Latin language	4.0
		4. Terminology of Logopedics (intern.)	4.0
		5. Acoustic Phonetics	4.0
			4.0
	<b>Total 30</b>		<b>Total 30</b>
<b>Year 3</b>			
<u>Semester V</u>	ECTS	<u>Semester VI</u>	ECTS
1. Hearing disorders	8.0	1. Child and adult neurologically based communication disorders (part II)	8.0
2. Specific learning difficulties	8.0	2. Fluency disorders	8.0
3. Child and adult neurologically based communication disorders (part I)	9.0	3. Development of communication in persons with cochlear implantation	6.0
4. Practice in logopedics (one day)	3.0	4. Informatics technologies	2.0
		5. Practice in logopedics (one day therapy)	2.0

<b>Elective courses (students choose one course of group II)</b>		<b>Elective courses (students choose one course of group III)</b>	
1. Alternative communicative strategies		1. Music therapy	4.0
2. Communicative training	2.0	2. Family communication and adaptation	4.0
3. Integration and special education of children with communication disorders	2.0	3. Cranio-facial surgery	4.0
4. Psychotherapy	2.0	4. Massage	4.0
5. Working in a diagnostic team	2.0		
	<b>Total 30</b>		<b>Total 30</b>
<b>Year 4</b>			
<u>Semester VII</u>	ECTS	<u>Semester VIII</u>	ECTS
1. Evidence-based practice	5.0	1. State practice in Logopedics	20.0
2. Communication disorders of persons with emotional-behaviour disorders and Psychic Diseases	8.0	3. Graduation – state exams (practice and theory)	10.0
3. History of logopedics and comparative logopedics	6.0		
4. Multiple disorders	5.0		
5. Practice in logopedics (one day therapy)	3.0		
<b>Elective courses (students choose one course of group IV)</b>			
1. Methodology of scientific research	3.0		
2. Psycho-social aspects of disease and impairment	3.0		
3. Health care management and legal advocacy	3.0		
4. Arttherapy	3.0		
5. Speech techniques	3.0		
	<b>Total 30</b>		<b>Total 30</b>

**CREDITS IN TOTAL: 240**

## COURSE DESCRIPTIONS

### I. COMPULSORY COURSES

#### *PHONETICS*

**ECTS credits:** 4

**Evaluation form:** exam

**Semester:** fall

**Supervision:**

**Hours per week:** 2l+0s+1p

**Type of exam:** written

Department of Logopedics  
Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Bulgarian Language, Faculty of Philology

**Annotation:**

The course includes the main relations between Bulgarian phonological and phonetic systems. Language and speech regulations are discussed in the frame of the theoretical linguistic analyses. Special attention is paid to articulation and acoustical features of Bulgarian phonemes. Also, this course gives knowledge about experimental methods of language as a system and realization of the speech.

**Course content:**

The course includes the next basic topics: approaches to phonetics (articulatory, acoustic, linguistics); classification of speech sounds; international classification of speech sounds (use of the International Phonetic Alphabet); consonants, sonorants; stress and syllable structure; articulatory mechanisms; Bulgarian vowels and phonological rules; the transcription of disordered speech.

**Training and evaluation techniques:**

Training methods used by lecturers are conversation, demonstration, analysis of spectrogram, discussion, association. Type of evaluation: written exam (written theoretical discussion, test, analysis of spectrogram)

***HUMAN ANATOMY AND PHYSIOLOGY***

**ECTS credits:** 5

**Hours per week:** 2l+0s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics  
Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

The course has as an object to improve student's knowledge of the structure, morphological and functional characteristics of the human body with an accent on the systems related to communication and neurology.

**Course content:**

The anatomy topics are: the ear, oral cavity, pharynx, larynx, intercostals spaces, thoracic osteology, hearth, mediastinum, lungs, the autonomic nervous system, the diaphragm. The physiology topics are: cell morphology; intracellular organelles, structure, properties of membranes; the neuron and propagation in nerve; contractile tissues – function, tissue fluids, distribution, composition, bio-chemical process; blood – composition, morphology and function of cells, plasma composition, plasma proteins; general outline of the nervous system, autonomic nervous system, endocrine glands specific functions, mechanisms of action of hormones; the heart, cardiac cycle (ECG), the vascular system; respiration, structure of the lungs mechanics of ventilation; alveolar gas exchange; diet, digestion, energy balance; the brain; skin; muscle; sense organs; contractile tissues; swallowing, salivation.

**Training and evaluation techniques:**

Training methods: conversation, discussion, associative method, conference. Evaluation: written exam.

***INTRODUCTION TO MEDICINE*****ECTS credits:** 4**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Health Care, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+0s+0p**Type of exam:** written**Annotation:**

In this course the students acquire a high level of information about mission of medicine, main terms in medicine and public health; morphological, physiological and pathological aspects of diseases; diagnosis, treatment, rehabilitation and prevention of diseases; applying of new technologies for medical diagnostics and treatment; medical-biological, medical-social and medical-ethical aspects of knowledge of health and diseases. The main topics, structure and current problems of the course develop in students' skills for solving problems and independent practical activity.

**Course content:**

This course includes the following topics: medicine such as knowledge and applied activity; history of medicine; terms for norm and pathology in medicine; diseases; individual and public health; types and structure of the health institutions; diagnostics and clinical diagnosis; health prevention and promotion; new technologies in medicine; ethic of medicine.

**Training and evaluation techniques:**

Training: in the process of education are widely used all possible technical devices for lectures and presentations. Evaluation: the current evaluation consists one test and written discussion of one the course topics. Final written exam if the current evaluation is positive.

***GENERAL PSYCHOLOGY AND DEVELOPMENTAL PSYCHOLOGY*****ECTS credits:** 5**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Psychology, Faculty of Philosophy

**Hours per week:** 2l+2s+0p**Type of exam:** written

**Annotation:**

The main aim of the course is students to have knowledge in the area of the general psychology and developmental psychology: main terminology, concepts, theories, the factors influencing the development of the normal child from birth to age 7. To be familiar with expected sequences in the development of pre-language and early communication and language skills. The course includes knowledge of early cognitive, social, physical and emotional development and relevant underlying factors.

**Course content:**

The first part of the course consist knowledge about contemporary psychology, human evolution, varieties of learning, human social behavior, fundamental knowledge about the basic psychic processes and condition, about the general and the specific regularities in the psychological development as well as the basis of the terminology system of Psychology. The second part of the course gives fundamental theoretical knowledge about the most intensive periods of the psychic development, and the accent is set, in accordance with the specialty on certain developmental periods. Issues in developmental psychology – method and objectives. Reflexes, early perceptual abilities and learning in the newborn.

**Training and evaluation techniques:**

Training methods: conversation, discussion, associative method, conference, problem and scenario analyse; analysis of object character and free choices, and finding compromise solutions. Evaluation: written exam (coursework or write an essay).

***BASICS OF MEDICAL GENETICS*****ECTS credits:** 3**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Medical and Social Sciences, Faculty of Public Health, Health Care and Sports

**Hours per week:** 1l+0s+1p**Type of exam:** written**Annotation:**

Main aim of the course is to introduce students with possibility for medical-genetically consultation and acquiring skills for genealogical analysis. An object of the course is genetics as a science for development of human systems and medical meaning of inherits.

The course gives fundamental knowledge the importance of genetic influences on human health and disease and especially concerning speech, language, and hearing problems.

**Course content:**

Principles of Medical Genetics. Chromosomal syndromes (Down syndrome, fragile X syndrome, Turner syndrome). Single gene syndrome (autosomal dominant [Alport syndrome, Apert syndrome, Branchio-Oto-Renal syndrome, Neurofibromatosis, Noonan syndrome, etc.] and autosomal [Jervell and Lange-Nielsen syndrome, Mucopolysaccharidoses, Oro-Facial-Digital syndrome, Riley-Day syndrome, etc.] recessive diseases). X-linked diseases. Polygenic-multifactoral syndromes [Cleft lip and palate; Pierre Robin sequence]. Sporadic syndromes [Cornelia de Lange syndrome, Prader-Willi syndrome, etc.]. Environmental syndromes [fetal alcohol syndrome, fetal cytomegalovirus syndrome, fetal Rubella syndrome].

**Training and evaluation techniques:**

Training methods: conversation, discussion, associative method, conference, computing of probability of inherited features. Evaluation: written exam.

***OTORHINOLARYNGOLOGY*****ECTS credits:** 6**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:** Department of Logopedics, Faculty of Public Health, Health Care and Sports**Hours per week:** 3l+0s+1p**Type of exam:** written**Annotation:**

The main aim of the course is students to recognize nose, ears and throat pathology; to know how to prevent it, and how to apply different therapy approaches.

This course includes the ears, nose and throat physiology and morphology. Diagnostic tools, the assessment methods, and the needed modern apparatus are shown consecutive. Some organic and functional injuries are looked at as an inseparable part of Clinical Otorhinolaryngology as well as the treatment methods, rehabilitation and expertise of hearing disabled persons.

**Course content:**

This course consists the following topics: history of Bulgarian otorhinolaryngology; anatomy and physiology of the throat, nose, nasal cavity; oral cavity, pharynx, larynx, and throat; voice and voice pathology; methods of diagnosis in otorhinolaryngology; esophagology; clinical otology; rhinology; pharyngology; laryngology; social otorhinolaryngology; professional diseases, etc.

**Training and evaluation techniques:**

Training methods: conversation, discussion, associative method, conference, power point presentation Evaluation: final written exam. Current evaluation includes two tests and essay on the course thematic.

***ENGLISH LANGUAGE*****ECTS credits:** 3**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Faculty of Philology

**Hours per week:** 0l+0s+2p**Type of exam:** written**Annotation:**

The main aim of the course is to focus the knowledge and the skills of the students in the field of contemporary written and oral English. The system Headway was created in the university of Oxford by prominent linguistics and it indicates the languages in different styles.



**Course content:**

The course consists the following items: Getting to know you. Tenses. Questions; Using a bilingual dictionary. Social expressions; The way we live. Present tenses. *Have/ have got*; Collocation – daily life. Making conversation; It all went wrong. Past tenses; Word formation. Time expressions; Things that changed the world. Passives; Verbs and nouns that go together. Notices; Dreams and reality. Second conditional. *Might*; Phrasal verbs. Social expressions 2; Earning a living. Present Perfect Continuous; Word formation. Adverb. Telephoning; Love you and leave you. Past Perfect; Reported statements. Saying goodbye

**Training and evaluation techniques:**

Training: The students are taught by original British system Headway. They are divided into groups depending on their level of language knowledge. There are two groups: Pre-Intermediate, And Intermediate. Evaluation: final written exam; current evaluation with two tests during the term.

### ***APPLIED NEUROPHYSIOLOGY***

**ECTS credits:** 5**Evaluation form:** exam**Semester:** spring**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+1s+1p**Type of exam:** written**Annotation:**

The main aim of the course is to introduce students in theory and facts of the neuroscience, and to achieve skills for using methods and techniques based on bio-feedback. Students will be able to know how to select and use methods and devices about behavioral modification during the speech and language treatment.

**Course content:**

Problems and tasks facing neurophysiology and neuroscience, molecular neurophysiology (neuron, ion channels, synapse), transmitters, neuropeptides, neuromodulation and plasticity, autonomic nervous system, autonomic reflexes, hypothalamus, structure and function of the cerebral cortex, hormones and behavior, theories of functional systems, applied neurophysiology, biofeedback and neurofeedback, biofeedback during the treatment of functional disorders.

**Training and evaluation techniques:** onversation, discussion, asociative method, conference, power point presentations, demonstrations of different type of devices and technique. Evaluation: final electronic written exam. Current evaluation includes two tests and essay on the course thematic.

### ***MODERN BULGARIAN LANGUAGE AND LINGUISTICS***

**ECTS credits:** 5**Evaluation form:** exam**Hours per week:** 2l+0s+1p**Type of exam:** written

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Bulgarian Language, Faculty of Philology

**Annotation:**

The course is introduction of the base linguistic terminology connected to the language structure and functions. Models of language development and genealogical classifications are discussed. Also, this course submit in comparative plan phonetic system (articulation and acoustic classification of phonemes), morphological structure and grammatical system (functional grammatical classes and categories), syntactic organisation (traditional and generic approach)

**Course content:**

The course includes the next basic topics: phonetics – a science of sound structure of the language; syllable; stress; intonation; lexicology; phraseology; morphology; syntax.

**Training and evaluation techniques:**

Training methods: during the lectures students grounded in basic theoretical formulations and methods of Bulgarian language investigation. During in observations students work on text analysis and develop skills for writing scientific essay. Type of evaluation: written exam – one theoretical topic and solving one practical problem (morphological, syntactical or stylistic analysis of text). Current evaluation – two tests during the term.

## ***COGNITIVE PSYCHOLOGY***

**ECTS credits:** 3

**Hours per week:** 2l+0s+0p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Psychology, Faculty of Philosophy

**Annotation:**

The teaching in the discipline includes learning of cognitive processes. It examine the essence of this processes, their mutually influence, the psychic form of existence of knowledge. Mechanisms for function of the cognitive processes are outlined, and this analysis in made on the basis of various theoretical concepts.

**Course content:**

The main topics of the course are: characteristics of cognitive psychology, methods of receiving facts about cognitive phenomena; analytic psychological processes; cognitive processes; itegrated psychological processes; emotional and volitional processes; consciousness; intellect.

**Training and evaluation techniques:**

Training methods used by lecturer are: method 635 and 126; “brain storm”; conference; problem solving, analysis of object character, analysis of free choices, analyse and finding compromise solutions. Type of evaluation: final written exam. Current evaluation is one test and elabotration on a subject.

## ***PHONiatrics***

**ECTS credits:** 5

**Evaluation form:** exam

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+1s+1p

**Type of exam:** written

**Annotation:**

Educational training of the course includes different aspects of definition, etiology, pathogenesis and symptoms of voice pathology. The students have to develop skills for diagnosis and logopedical treatment of voice disorders and to acquire all theoretical and practical approaches.

**Course content:**

Main topics: anatomy and physiology of the phonatory system; physiology and pathophysiology of the voice; stages of voice development; methods of voice assessment; professional voice diseases; functional and endocrine voice disorders; organic disorders of larynx; laryngeal paralysis; laryngeal tumors and cancer.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (including video), instruction, associative method, etc. During the observation student can observe and discuss pathology of patients with voice disorders. Type of evaluation: final written exam. Current evaluation with two tests and one theoretical essay.

## ***PSYCHOLOGY OF ABNORMAL DEVELOPMENT WITH PSYCHODIAGNOSTICS***

**ECTS credits:** 7

**Evaluation form:** exam

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 3l+1s+1p

**Type of exam:** written

**Annotation:**

The main objects of the course concern psychological terminology in aim to people with special educational needs. There is special attention to social adaptation and frustration as a result of abnormal behavior and specific activities. Students have to know specific activities, behavior and personal features of people with special needs; they have to recognize and distinguish them between other types of impairment and diseases. The main purpose of this course is to forming theoretical and practical knowledge, habits and skills for choosing and applying the psychometric tests in people with disabilities. To be able to identify children with developmental

handicaps. To be aware of the latest research findings and to have some expectations of the capabilities of handicapped children in cognitive, social, emotional and communication behavior

**Course content:**

Main topics: categories of abnormality; etiology and pathogenesis of anomalous development; clinical characteristics of the main groups people with anomalous; motivation, behavior, personal development, emotional and cognitive activities. The nature of assessment – formal and informal approaches. Norm and criterion – referenced measurement. Reliability and validity of measures of behavior. Factors influencing measurement. Intelligence tests. Psychological implications of differential development – IQ, language, physical abilities, socialization practices. Attainment tests. Diagnostic tests. Measures of attitude and personality. Assessment of exceptional children and adults. Assessment of early communication skills. Planning and evaluating intervention strategies

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, method 635 and 126; “brain storm”; conference; problem solving, analysis of object character, analysis of free choices, analyse and finding compromise solutions etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with two tests and appraisal of students activities during the seminars and observations. Current evaluation for psycodiagnosics uncludes individual workmanship materials for 10 evaluation methods.  
Type of evaluation: final written exam.

***PSYCHOLINGUISTICS AND SOCIOLINGUISTICS***

**ECTS credits:** 5

**Hours per week:** 2l+0s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Bulgarian Language, Faculty of Philology

**Annotation:**

The main aim of the course is to give knowledge of some basic categories of functional language approaches and to develop sensitivity about individual and group language subsistence. Special attention is paid to practical application of results, achieved by this applied science – language education, criminology, journalism, neurolinguistics, aphasiology, etc.

**Course content:**

An introduction to research and theory of speech, language and thinking. Language and mind. Method and theory in experimental psychology. Selected writing in language, culture and personality. Language and communication Language, memory and thought. Bulgarian norms of word association. The semantic function of negatives and passives. Child language, aphasia and phonological universal. The development of grammar in child language. The ontogenesis of grammar. Normal speech communication and its disorders. The subject presents the socio-psychological trends of Sociolinguistics- pragmatics, discourse analysis – and theory of language planing and policy as well. The relation between the language and culture acquisition, language and consciousness, speech behavior and social class are considered.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam. Current evaluation with two tests, making an abstract of one theoretical topic and sociolinguistic observation.

***RESEARCH AND ANALYTIC METHODS IN SPEECH AND LANGUAGE PATHOLOGY*****ECTS credits:** 1**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 0l+0s+1p**Type of exam:** written**Annotation:**

The main object of the course is to train students individually to implement assessment of people with variety of speech and language pathology which are subject of logopedical treatment.

**Course content:**

This course consists the following main topics: basic principles of logopedical assessment of people with communication disorders. There is an accent on methods for expressive and impressive speech evaluation and assessment; assessment of written language and its disorders; method „dermolexy”, etc.

**Training and evaluation techniques:**

Training methods is given by practical activities in aim to acquire and apply methods of speech and language assessment. Type of evaluation: final written exam. Current evaluation - course work with experimental approach .

***BASICS OF LOGOPEDICS*****ECTS credits:** 5**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+1s+1p**Type of exam:** written**Annotation:**

The main aim of the course is to present scientific and theoretical bounds of logopedics and to introduce basic terminology and classification in the area of communication disorders. Also, the course provide provide basic knowledge about the definition, causes, main characteristics and assessment of speech and/or language communicative disorders, fundamental procedures for speech disorders assessment and therapy.

**Course content:**

Mainly is presented the speech as a psycho-physiological event, etiology, pathogenesis and classification of language and speech disorders; disorders of written communication, hearing disorders; communication disorders causal by organic, functional and/or local impairments and/or injury of the speech organs and/or brain.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with two tests and appraisal of students activities during the seminars and observations.

***NEUROPSYCHOLOGY AND NEUROLINGUISTICS*****ECTS credits:** 4**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics  
Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Psychology, Faculty of Philosophy

**Hours per week:** 2l+1s+0p**Type of exam:** written**Annotation:**

The main aim of the course is to form basic knowledge for brain mechanism of the high cortex functions and their injury. Also, there is a review of normal language function leading to discussion of acquired disorders, including language disorders – agnosia, apraxia, aphasia; their definitions, classifications and clinical manifestation.

**Course content:**

Some of the basic topics in the course are: brain mechanism of the high cortex functions such are speech, cognitive functions, intellectual and motor functions; their injury and pathogenesis; problem of functional nonequivalence and interaction between cerebral hemispheres.

**Training and evaluation techniques:**

Training methods used by lecturers are Conversation, discussion, associative method, conference, power point presentation; Problem analyse, scenario analyse, analyse of object character, analyse of free choices, analyse and finding compromise solutions  
Type of evaluation: final written exam. Current evaluation with two tests and essay on practical or theoretical lines.

***AUDIOLOGY*****ECTS credits:** 5**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics  
Faculty of Public Health, Health Care and Sports

**Hours per week:** 3l+0s+1p**Type of exam:** written

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

This course is designed to give students: a basic understanding of physics of sound, hearing aids and audiometers; an understanding of the development of hearing and listening; the nature, causes and types of hearing loss and their effect on the communication process; an understanding of the measurement of auditory functions, in closed circuit and free field.

**Course content:**

Developing of hearing, listening. Hearing loss (types of hearing loss; causes of hearing loss; differential diagnosis). Measurement of auditory functions (pure tone audiometry; speech audiometry; free field audiometry; tests appropriate to developmental age). Effect of types and degree of hearing loss on speech and language in child and adult. Management of hearing impaired in context of speech therapy services. Equipment - demonstration of audiometer, speech trainer etc.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with two tests and essay on the course thematics.

***BASICS OF THERAPY AND REHABILITATION***

**ECTS credits:** 4

**Evaluation form:** exam

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Medico-Social Sciencies, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+0s+1p

**Type of exam:** written

**Annotation:**

The aim of the course is to give fundamental training in "Bases of therapy and rehabilitation". Creating abilities for activating the independently work of the students.

**Course content:**

Students need knowledge in the field of "Bases of therapy and rehabilitation" because of the characteristics of their work in the future with patients (clients), adults with social problems, with special needs.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam. Current evaluation with two tests and appraisal of students activities during the seminars and observations.

***PSYCHOPATHOLOGY***

**ECTS credits:** 3

**Hours per week:** 2l+0s+0p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:** Department of Medical-Social Sciences, Faculty of Public Health, Health Care and Sports

**Annotation:**

The object of the course is the basic groups of psychopathological deviations and the subject – their interpretation in the way of modern psychological views about personality and its development. The aim of this course is to develop abilities to analyze cases, describing psychopathological deviations

**Course content:**

There are two main parts in the course: basic and specific. In the first one are discussed psychic phenomenon and their disorders. In the second one are presented the most frequent and social significant psychic diseases.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam (test). Current evaluation with two tests, one essay, one course work, solving clinical cases.

## ***VOICE DISORDERS***

**ECTS credits:** 8

**Hours per week:** 3l+2s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

Some of the main topics in the course are: normal voice development, phonation theories; organic voice disorders; psychogenic voice disorders; clinical and logopedical examination of voice disorders; therapy for voice disorders (specific principles; general voice therapy approaches). Some neurologic voice disorders topics as myasthenia gravis, Parkinsonism, essential tremor, movement disorders, pseudobulbar palsy, apraxia of phonation etc. are also included in the course. Laryngectomy. All kinds of voice disorders are presented with regard to the definition, etiology. Clinical characteristics, assessment and therapy for adults and children.

**Course content:**

There are two main parts in the course: basic and specific. In the first one are discussed psychic phenomenon and their disorders. In the second one are presented the most frequent and social significant psychic diseases.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with two



tests, essay, course work and appraisal of students activities during the seminars and observations.

### **NEUROLOGY**

**ECTS credits:** 5

**Evaluation form:** exam

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Medical-Social Sciences, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+1s+1p

**Type of exam:** written

**Annotation:**

To provide an account of the neuro-pathological processes in central and peripheral nervous systems, that may result in disturbance of language or articulation.

**Course content:**

Peripheral nervous system. Spinal cord. Brain stem and cerebellum. Extrapyramidal system. Cerebral cortex. Extrapyramidal disorders. Dementia. Multiple sclerosis. Parkinsonism. Infections. Cerebrovascular diseases. Functional disorders (epilepsy, migraine, headache). Trauma. Brain tumours. Neurological and developmental examination.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam. Current evaluation with two tests, essay, translation.

### **COMMUNICATION DISORDERS, PART I (ARTICULATION, CLEFT PALATE)**

**ECTS credits:** 9

**Evaluation form:** exam

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 3l+2s+2p

**Type of exam:** written

**Annotation:**

The object of the course is the basic groups of psychopathological deviations and the subject – their interpretation in the way of modern psychological views about personality and its development. The aim of this course is to develop abilities to analyze cases, describing psychopathological deviations

**Course content:**

The course has two modules. *Module one:* includes information on speech and phoneme production, and phonetic models; description of articulation and phonologic disorders, diagnostics, types of disorders, types of intervention and speech therapy techniques.

*Module two:* etiology of cleft lip and palate; cleft types; communication disorders in patients with cleft lip/palate; symptomatic and classification of cleft lip/palate communication disorders; speech and voice therapy; techniques for treatment of children and adults.

**Training and evaluation techniques:**

Training methods include: discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam (test); current evaluation- three tests, one essay, developed assessment tools.

***COMMUNICATION DISORDERS - PART II (CHILD LANGUAGE DISORDERS)***

**ECTS credits:** 9

**Hours per week:** 3l+2s+2p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

The aim of the course is to introduce students to main characteristics of language disorders in children (developmental dysphasia); to develop knowledge in defining and diagnostics of child language disorders and train practical skills for logopedic treatment.

Students should study prior this course ontogenesis of language development, basics of logopedics, methods of diagnostics.

**Course content:**

The present course determines the types of language disorders experienced by children. The main topics concern children with specific developmental language disorders. Assessment of children's linguistic skills is very important part of the course (identification, testing, receptive tasks, expressive tasks, the assessment process). Presented are procedures involving direct imitation, modeling, reactive language stimulation approaches, oral language comprehension. Models and principles of intervention are also included, as well as practical issues.

**Training and evaluation techniques:**

Training methods: conversation, discussion, associative method, conference, problem and scenario analyse; analysis of object character and free choices, and finding compromise solutions. Evaluation: current tests (2), essay and final written exam (test).

***HEARING DISORDERS***

**ECTS credits:** 8

**Hours per week:** 3l+1s+2p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

The purpose of this course is to introduce students to modern concepts in hearing rehabilitation, and to train skills for evaluation and treatment of communication disorders in persons with pre- and post lingual hearing impairments. Prior the course students need to have knowledge in audiology and child language development.

**Course content:**

The course includes the main topics in studying normal and impaired hearing; etiology of hearing disorders; types of hearing impairment and their influence on development of speech and language; communicative disorders in hearing impaired children and adults; hearing aids fitting and development of listening skills; rehabilitation of hearing impaired persons

**Training and evaluation techniques:**

Training methods used by lecturers are: conversation, discussion, associative method, conference, power point presentation, etc. Type of evaluation during the semester: 3 tests; 1 essay; final written exam

***SPECIFIC LEARNING DIFFICULTIES*****ECTS credits:** 8**Evaluation form:** exam**Semester:** fall**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 3l+2s+1p**Type of exam:** written**Annotation:**

The main aim of the course is students to have knowledge about etiology, symptoms, pathogenesis of learning disorders; and specific treatment approaches. Also, students need to know how to prevent this kind of disorders and how to apply different methods of assessment.

**Course content:**

Learning disabilities – LD (terminology; concept of LD; classification of LD; etiology and incidence; differential diagnosis and assessment; management therapy, placement and prognosis). Specific learning disabilities – SLD as an aspect of learning disability. Dyslexia – definition, causes, classification, therapy. Dysgraphia – definition, causes, classification, therapy.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam. Current evaluation with two tests and appraisal of students activities during the seminars and observations.

***CHILD AND ADULT NEUROLOGICALLY BASED COMMUNICATION DISORDERS (PART I)*****ECTS credits:** 9**Hours per week:** 3l+2s+2p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

The main object of the course is to provide knowledge about child's and adults neurologically based communicative disorders – dysarthria, verbal apraxia, pyramidal and extrapyramidal syndromes and symptoms, etc. Also, students need to have knowledge of their definition, causes and symptoms, assessment, differential diagnosis and treatment.

**Course content:**

Main course topics are: Motor speech disorders – verbal apraxia. Definition, causes, diagnostics and differential diagnosis, classification, main characteristics, logopedics management. Cerebral palsy. Speech and language problems in cerebral palsy.

Anarthria-dysarthria. Definition, causes, diagnostics and differential diagnosis, classification, main characteristics, logopedics management. Dysphagia. Definition, causes, diagnostics and differential diagnosis, classification, main characteristics, logopedics management.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam (test). Current evaluation with two tests, essay, course work, solving clinical cases.

### ***CHILD AND ADULT NEUROLOGICALLY BASED COMMUNICATION DISORDERS (PART II)***

**ECTS credits:** 8

**Hours per week:** 3l+2s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

The main course is students to have knowledge about the definition, causes and main characteristics of the neurologically based communicative disorders (aphasia) in adults and children; and to know how manage logopedical treatment.

**Course content:**

The course consists the following topics: etiology, symptoms, pathogenesis and classification of aphasia in children and adults, and approaches for logopedical treatment.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc.

Type of evaluation: final written exam. Current evaluation with two tests and appraisal of students activities during the seminars and observations.

### ***FLUENCY DISORDERS***

**ECTS credits:** 8

**Evaluation form:** exam

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 3l+2s+1p

**Type of exam:** written

**Annotation:**

The course aim is to form essential knowledge and special therapeutic skills concerning the two main fluency disorders: stuttering and cluttering and especially their definition, etiology, symptoms, diagnosis, therapy. Special emphasis is put on the general and differential diagnosis between cluttering and stuttering, attention deficit/hyperactivity disorders, learning disabilities.

**Course content:**

Main topics in the course are: the problem of fluency and dysfluency in logopedical literature. Cluttering – definition, etiology, pathogenesis, symptoms. Theories of cluttering such as organic or motor disorder. Assessment and differential diagnosis, and treatment. Stuttering. Definition. Problems in defining stuttering. Etiology and pathogenesis of stuttering. Theories. Symptoms. Symptoms– a comparative view. Secondary motor behavior. Logophobia. Developmental stuttering and its treatment. Stuttering assessment.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with two tests and appraisal of students activities during the seminars and observations.

### ***DEVELOPMENT OF COMMUNICATION IN PERSONS WITH COCHLEAR IMPLANTS***

**ECTS credits:** 6

**Evaluation form:** exam

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+1s+1p

**Type of exam:** written

**Annotation:**

The main aim of the course is introducing students to modern theoretical approaches in implementation of CI and to the development of speech/language rehabilitation. Students have

to learn modern techniques for developing listening skills and basic practical skills in training hearing and speech acquisition in children and adults with cochlear implants. Students should have passed courses in Audiology and Hearing Disorders.

**Course content:**

This course consists the following topics: introduction in Cochlear implantation; types of cochlear implant systems; criteria for selection of candidates for CI; preparing patients for CI – pre-operative procedures; surgery and post operative mapping of speech processor; rehabilitation – pre-operative rehabilitation of candidates for CI; post-operative rehabilitation – stages, management, good practices; techniques for developing listening skills in CI users.

**Training and evaluation techniques:**

Training methods: Power Point theoretical presentation, discussion, associative method, conference, case studies, etc. Evaluation: Current evaluation includes two tests and 1 essay on the course thematic. Final written exam.

***INFORMATIC'S THECHNOLOGIES***

**ECTS credits:** 2

**Hours per week:** 1l+0s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** spring

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Informatics, Faculty of Mathematics and Natural Sciencies

**Annotation:**

The course have to form basic knowledge in the field of Informatics and to form special computer skills. Students need tpo understand and be able to explain basic concepts in elementary statistics. Also, they have to be able to summaries, tabulate and present data in appropriate graphical form; to be able to select and apply appropriate statistical procedures for the analysis of non complex data such as might be collected in the course of communication disorders.

**Course content:**

The objective of this course is student training in the bases of Informatics and the PC utilization for assessment and therapeutic purposes. Describing and analyzing information (ie statistics). Methods of summarizing data. Raw scores, frequency distributions, ranked scores, mean, mode, median, standard deviation, normal curve, graphs, pie-charts, bar-charts. Inferential statistics. Types of data, types of experiment, levels of significance, probability. Sign test, Wilcoxin test, Mann-Whitney test, non-parametric tests, t tests for related samples, t-test for independent samples, chi-square test, intro. To analysis of variance. Measures of correlation and regression.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam. Current evaluation with two tests.

***EVIDENCE BASED PRACTICE (EBP)***

**ECTS credits:** 5

**Hours per week:** 2l+1s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation: the main aim of this course is to** combines academic learning with clinical practice and to teach students to apply modern science-based diagnostic and therapeutic diagnostic tools for individuals with different types of communication disorders of all ages. Students have to acquire skills for measurement the efficacy and effectiveness of logopedical treatment based on ICF model.

**Course content:** prerequisite for entering the EBP, historical aspects of EBP, levels regarded Oxford Center for EB Medicine levels of evidence, EBP in medicine and public health, EBP in logopedics, conceptual model of Wilson and Cleary, scientific data about efficacy and effectiveness, efficacy and effectiveness in logopedics, classification of methods for measuring the results of logopedical treatment, experimental methods, quasi- experimental methods, and etc., searching external data and results of systematic research, models of supervision, evaluation the results of logopedical treatment (analysis, standards, data collection, etc.)

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with three tests and appraisal of students activities during the seminars and observations.

### ***COMMUNICATION OF PERSONS WITH EMOTIONAL-BEHAVIOURAL DISORDERS AND PSYCHIC DISEASES***

**ECTS credits:** 8

**Hours per week:** 3l+2s+1p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

The course describes two main types of emotional/behavioral disorders: attention deficit/hyperactivity disorders and autism in children and adults - their definition, etiology, general psychiatric assessment and classification, characteristics of the disorders, differential diagnosis, remediation (non-verbal language systems, mainly sign), prognosis. Special attention to the communication disorders accompany the EBD. Treating point of views.

**Course content:**

The course consists the following topics: Emotional/Behavioral Disorders-definition, terminology, incidence and prevalence, classifications, symptoms. Assessment and logopedical treatment. Attention deficit/hyperactivity. Autism in children. Emotional/Behavioral Disorders in childhood. Types of Emotional/Behavioral Disorders. Language disorders in psychiatry. Communication disorders in schizophrenia, psychosis, dementation, etc. and their logopedical treatment.

**Training and evaluation techniques:**

Training methods used by lecturers: conversation, discussion, associative method, conference, power point presentation, problem analyse, scenario analyse, analyse of object character, analyse of free choices, analyse and finding compromise solutions. During the observation student can observe and discuss variety of clinical cases.

Type of evaluation: final written exam. Current evaluation with two tests, essay and appraisal of students activities during the seminars and observations.

***HISTORY OF LOGOPEDICS AND COMPARATIVE LOGOPEDICS***

**ECTS credits:** 6

**Hours per week:** 4l+1s+0p

**Evaluation form:** exam

**Type of exam:** written

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Annotation:**

Accent is put on the theoretical and practical heritage of Logopedics in Bulgaria and the other countries (in comparative aspects) on the connection between the records about the speech, language and voice disorders and the development of the medicine, psychology, linguistics, special education theories to get to the establishment of Logopedics as an science. The objective of the course concerning Comparative logopedics is to compare the essential aspects of the Logopedics in the Eastern and Western schools, including USA: terminology differences; the name of the profession; the differences between medical and behavioral approach; the differences concerning classification of the language; voice and speech pathologies; differences in the field of the assessment and treatment of communication disorders in Bulgarian Logopedics and in the Logopedics in European Union countries. The part concerning History of Logopedics treats appearance and development of Logopedics as a science.

**Course content:**

First data of speech disorders in Ancient Asia, Greece, Rome. Historical development of CPLOL and IALP. Historical view on logopedics in Bulgaria. Historical review on logopedical development in Belgium, France, Holland, Spain, UK, Germany, USA, Scandinavian countries, Russia, etc. Historical development of stuttering therapy in Bulgaria – method of dr. St. Stoyanov, al. Simodchiev, V. Ivanov, K. Kandov. Historical review of stuttering therapy methods in Europe and USA – Diffenbach, Gutzmann, Kussmaul, Froschels.

In the course are discussed the following topics: comparative analysis of Western and Eastern model of disorders; a comparative analysis of scientific terminology; comparative logopedics and problems with assessment of speech and language disorders. Classifications of speech and language disorders. A comparative analysis of problems with logopedical treatment. A



comparative analysis of logopedical institutions in Europe, America, Asia. World standards of IALP and European standards of CPLOL. Professional awareness on fluency disorders.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. Type of evaluation: final written exam. Current evaluation with test, essay and appraisal of students activities during the seminars and observations.

***MULTIPLE DISORDERS***

**ECTS credits:** 5

**Evaluation form:** exam

**Semester:** fall

**Supervision:**

Department of Logopedics

Faculty of Public Health, Health Care and Sports

**Lecturers:**

Department of Logopedics, Faculty of Public Health, Health Care and Sports

**Hours per week:** 2l+1s+1p

**Type of exam:** written

**Annotation:**

This course have to deliver knowledge about communication problems in persons with multiple disorders, developing evaluation and exploring skills; training in selecting and implementing therapeutic techniques.

**Course content:**

Some of the main topics in the course are: etiology of the most widespread multiple disorders; characteristics of communication problems in multiple disorders (children and adults); techniques for diagnostics; training methods; communication educational programs; technology in the means of personal communication tools; strategies for interaction with social environment.

**Training and evaluation techniques:**

Training methods used by lecturers are discussion, demonstration (slides, multimedia), instruction, associative method, etc. During the observation student can observe and discuss variety of clinical cases. Type of evaluation: final written exam. Current evaluation with three tests, essay and appraisal of students activities during the seminars and observations.