Time plan for master degree courses in phoniatrics (1st part)

Communication sciences course (Phon 524 CS)

Phonetics & linguistic course (Phon 524 PL)

weeks	Date	Subjects	Instructors
1st		1- Communication (levels, methods, function).	د . أميمه عفصه
		2- Prosody.	د . أميمه عفصه
		3- Articulators and Speech sounds (Consonants, Vowels).	د . أميمه عفصه
		4- Anatomy of the skull and face including the embryology and development of these anatomical parts.	د . أيمن عامر
		5- Anatomy of the neck and its triangles including the embryology and development of these anatomical parts.	د . أيمن عامر
2nd		1- Anatomical structures of the pharynx.	د . أيمن عامر
		2- Anatomical structures, embryology and development of the palate.	د . أيمن عامر
		3- Physiology of the velopharyngeal valve in speech and non-speech activities.	د . أيمن عامر
3rd		1- Anatomical structures, embryology and development of the lip and tongue.	أ. د/ همت باز
		2- Anatomy of the laryngeal skeleton.	أ. د/ همت باز
		3- Muscular system, nerve and blood supply of the larynx.	أ. د/ همت باز
4th		1- Phonology and its development	د . أيمن عامر
		2- Language, communication and cognition.	أ. د/ همت باز
		3- Cognitive Development.	أ. د/ همت باز
5th		1- The macroscopic and microscopic structure of the vocal folds.	أ. د/ همت باز
		2- The functional anatomy of the phonatory system.	أ. د/ همت باز
		3- Larynx: Functions and laryngeal sphincters.	أ. د/ همت باز
6th		1- Pragmatics and its development.	د . مي سعد
		2- Sound, sound wave, Pure tone and complex tones.	د . مي سعد
		3- Characteristics of sound [Frequency (Pitch), Amplitude (Loudness), Quality]. Wave Analysis and Spectrum analysis.	د . مي سعد
		4- Resonance of the vocal tract. Hearing range and reference levels.	د . مي سعد
		5- Acoustic Theory of vowel production and Formant Frequencies.	د . مي سعد
7th		1- Physiology of deglutition in adults.	أ . د / تامر أبو السعد
		2- Physiology of deglutition in infants and development of feeding and swallowing.	أ . د / تامر أبو السعد
		3- Language and Thought.	أ. د/ همت باز
		4- Semantics and its development.	د/ مي سعد
		5- Syntax and its development.	د/ مي سعد
8th		1- Structure of the thoracic cavity and function anatomy of the lungs.	أ. د/ همت باز
		2- Respiration: mechanism, types (pectoral, abdominal), role of muscles during phonation and speech and measurement of respiratory capacity.	أ. د/ همت باز
		3- Larynx: Theories of phonation, vocal parameters and registers.	د. أميمه عفصه
9th		1- Larynx: Self regulatory mechanism and control of the laryngeal and respiratory movements.	أ. د/ همت باز
		2- Larynx: Physiology of the posterior glottis.	أ. د/ همت باز
		3- Cortical organization for language function: cortical areas, cerebral dominance and its evidence. And functions of the right and left hemispheres.	أ. د/ همت باز
10th		1- General purpose tools (organization of instrumental arrays, Amplifiers, microphone, tape recorders, analog to digital converters).	د . أميمه عفصه
		2- Analog electronics (principles, semiconductor devices).	د . أميمه عفصه
		3- Digital system (principles and interfacing the analog and digital worlds).	د . أميمه عفصه

weeks	Date	Subjects	Instructors
11th		1- The anatomical structure, the embryological origin and functional anatomy of the brain including its blood supply and the applied anatomy.	د . أيمن عامر
		2- The anatomical structure, the embryological origin and functional anatomy of the brain stem.	د . أيمن عامر
		3- Distinctive Features and the international phonetic alphabet and symbols to imply for variations in the production of different sounds.	د.ايمن عامر
12th		1- Hierarchy of the motor organization.	د. أميمه عفصه
		2- Anatomical structures of the ear and nose.	د. نهال مرزوق
		3- Physiology of the special senses with emphasis of hearing and taste sensations.	د. نهال مرزوق
		4- Pre-requisites of normal language Development.	أ. د/ همت باز

أ . د / همت الباز

أستاذ و رئيس وحدة أمراض التخاطب