SELECTIVE DISCIPLINE

for 4st year students of the Faculty of Dentistry

2020-2021 academic year

Course Name	**MEDICAL GENETICS**
Department	Pediatrics and Medical Genetics
Teachers	Ryznychuk M.O. Lastivka I.V. Andrijchuk D.R.
Brief description of the course content	**The aim of the course:** deepening knowledge about maxillofacial abnormalities, which can be caused by chromosomal mutations, gene mutations, and, most often, the combined influence of many genes and environmental factors. **The task:** study of maxillofacial anomalies, prediction by Mendel's theory of the number of teeth, their shape and structure, substantiation of interdisciplinary approach to the diagnosis of various syndromes and diseases with lesions of the maxillofacial area, often associated with changes in other organs and systems, study of facial skeletal abnormalities in many chromosomal and genetic syndromes. **The results of the course mastering:** The student must *know*: 1. Maxillofacial anomalies caused by chromosomal and gene mutations. 2. Mendel's theory and prognostication for the relatives of the proband. 3. Different syndromes and diseases causing lesions of the maxillofacial area. 4. Peculiarities of early diagnosis of hereditary diseases and syndromes (intestinal polyposis, histiocytosis X, Gorlin syndrome, Van der Woude syndrome, hyperparathyroidism, congenital hypothyroidism, etc.). The student must *be able to*: 1. Carry out a facial examination for the primary diagnosis of hereditary diseases and stigmas of dysembryogenesis. 2. Use Mendel's theory to predict the number of teeth, their shape and structure.
Providing of general and professional competences	**GC2** Knowing and comprehension of the subject area and understanding of professional activity. **GC3** Ability to apply knowledge in practice. **PC1** Ability to record medical information about the patient and analyze clinical data. **PC3** Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.