Program content that provides learning outcomes
in the course of **MAXILLO-FACIAL SURGERY WITH ONCOLOGY**

No.	Topics
1.	Anatomy of the facial part of the skull.
2.	Keeping medical records
3.	General principles of conservative-orthopedic and surgical treatment of fractures of the facial cranial part
4.	Upper, middle and lower floors fractures of the facial part of the skull, radiological diagnostics.
5.	Facial malformations diagnostics, preparation and qualification for surgery. Methods of surgical treatment of defects. Clefts
6.	Disorders of the salivary glands. Disorders of the maxillary sinus. Diagnostics,treatment methods
7.	Bone inflammation. Bone necrotic processes. Specific inflammation of soft tissues and bones
8.	Cranial nerve disorders - pain syndromes. Surgery paralysis and neuralgia.
9.	Clinical examination of a patient after local and multiorgan injury with the use of medical simulation
10.	First aid. Temporary supply of the patient with the use of medical simulation
11.	General principles of fracture treatment. Setting the bone fragments. Orthopedic methods of factions. temporary fixation. Instruments, types of temporary fixations. Classes on phantoms
12.	Introduction to oncology. Epidemiology of tumors. Risk factors
13.	Oncological interview. The psychological aspect of cancer. The specificity of head and neck cancer.
14.	Cooperation of the maxillofacial surgeon and the dentist in the aspect of the patient with head and neck cancer
15.	Perimaxillary inflammations, abscesses , phlegmonaes , surgical and medical intervention.Complications.
16.	Paranasal sinuses inflammations , diagnostics, surgical methods.
17.	Focal diseases, diagnostics, treatment
18.	Examination of hospitalized patients after facial trauma. Keeping medical records. Treatment plan, evaluation of treatment, additional tests.
19.	Concussion and contusion of the brain. Treating shock. The concept of multi-site and multi-organ damage.
20.	Fractures of the mandible. Types of fractures. Classification of fractures: the shaft and the condylar. Surgical and conservative treatment of fractures of the mandible
21.	Fractures of the upper and middle floors of the face. Fracture of the maxilla- classification. Zygomatico-maxillo-orbital fractures. Frontloading and final.
22.	Orbital fractures, eye injuries - surgery. Rehabilitation of patients after injuries of the facial part of the skull Separation of the facial injuries of the skull in children
23.	Methodology for the investigation of cancer patients. Clinical trial, analysis of additional tests, specialist tests.
24.	Benign tumors of craniofacial. Diagnosis of neoplasms. Indications and contraindications for biopsy. The importance of cancer prevention.
25.	Malignant tumors of the facial skeleton. Malignant tumors of the mouth and jaw bones - the mechanisms of carcinogenesis, etiology and epidemiology of craniofacial tumors, clinical staging (TNM) and histological staging (G).
26.	Methods for treatment of tumors. Patient preparation for radio and chemotherapy.
27.	Care of a cancer patient, post-surgical rehabilitation

Self-study teaching methods	**Teaching methods**	Knowledge consolidation on the basis of independent analysis of the available sources.

According to the Rules Studies, University of Silesia, the completion of the evaluation and exams use the following rating scale:

CREDIT	IN WORDS
5	**very good**
4,5	**better than good**
4	**good**
3,5	**better than satisfactory**
3	**satisfactory**
2	**unsatisfactory**

Judging Criteria:

1. Rating **very good** (5) The student knows, understands and explains the intended learning outcomes and can apply them in practice very good.

2. Rating **better than good** (4.5) The student knows, understands and explains the intended learning outcomes and can apply them in practice over good.

3. Rating **good** (4) the student knows, understands and explains the intended learning outcomes and can apply them in practice good.

4. Rating **better than satisfactory** (3.5) The student knows, understands and explains the intended learning outcomes and can apply them in practice quite good.

5. Rating **satisfactory** (3) the student knows, understands and explains the intended learning outcomes and can apply them in practice satisfactory.

CREDIT – Student knows, understands and explains teaching effects and knows how to use them in practice.

Practical skills credit – according to the Department's individual rules