

**Program contents which provide measurable effects by learning the subject
GNATHOPHYSIOLOGY**

No.	Topics
1.	The anatomical backgrounds and function of stomatognathic system. Musculo-skeletal mechanics of stomatognathic system. Specific features of musculo-skeletal system of craniomandibular muscles.
2.	Temporomandibular joint: biomechanics and examination methods. Biomorphosis of stomatognathic system.
3.	The development of occlusion. Eruption of primary and permanent dentition- physiological backgrounds. Godon's phenomenon.
4.	Backgrounds of occlusion and articulation.
5.	Periodontium and physiology of oral mucosa. Dental pulp reaction on physical and chemical impulses.
6.	Neurophysiology of the head and neck region- backgrounds. Model of reflex arc.
7.	The functions of stomatognathic system : mastication, breathing, swallowing.
8.	The anatomical and functional backgrounds of the stomatognathic system. Skeletal and muscular anatomy of the head, neck and shoulder region.
9.	The anatomical and functional backgrounds of the stomatognathic system. The anatomy and the function of the temporomandibular joint ,the blood supply and innervation.
10.	The development of occlusion. Eruption of primary and permanent dentition- physiological backgrounds. Intercapsular arrangements in temporomandibular joint and dental occlusion.
11.	Physiology of periodontium.
12.	The main functions of the stomatognathic system.
13.	The backgrounds of neurophysiology. Reflex cycle. Afferent and efferent innervation in head and neck region. Receptors in stomatognathic system.
14.	The standards of physiological occlusion. Muscular mechanics of the head, neck and shoulder region.
15.	Biomechanics of temporomandibular joint, examination procedure. Mandibular movements- basic terms, methods of analysis.
16.	Occlusion and articulation- the main terms. Posselt diagram.

Self-study	Teaching methods	Specialist references study
------------	------------------	-----------------------------

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