

AL-FARABI KAZAKH NATIONAL UNIVERSITY
Medicine and Health Care Faculty
Higher School of Medicine
Department of Fundamental Medicine

Schedule of Independent work of students (IWS)
“Morphology and human physiology”
(11 credits)
Fall semester, academic year 2022-2023

№	IWS tasks	Execution form of IWS	Deadlines (school week)	Points
1	<p>"The role of facial muscles in various facial expressions." To perform this group independent work, you need to divide into groups of 5 people.</p> <p>Take a picture of your facial expression, showing one of the emotions: fear, anger, joy, sadness, surprise, contempt, and so on.</p> <p>In the photo, draw the direction of the muscle fascicles of each muscle that is involved in this facial expression.</p> <p>Sign each muscle.</p> <p>Your photo must be of high quality, and your face must take up at least 90% of the entire photo.</p>	Presentation-report	7 week	5
2	<p>"Nerve blocks of the face"</p> <p>Background: Before drilling on a patient's tooth, a dentist typically gives the patient a shot of local anesthetic, such as procaine hydrochloride or lidocaine. The injection is given in the mouth near the location of nerves that innervate the particular tooth. When the anesthetic reaches the neurons, certain regions of the face, mouth and tongue lack sensation or become numb. The drug works by blocking neurons communicating with the CNS. The brain is unaware of the presence of painful stimuli in the mouth. Search for some knowledge concerning the voltage-gated sodium channels in neurons and discuss the mechanism of action for the numbing procedure with the teacher. Draw a diagram to describe the nerves associated with regional blocks of facial and dental pain and the bony marks of</p>	Presentation-report	15 week	5

<p>injection sites with your anatomical knowledge. Work in a team. Conduct research, Summarize and present it in the form of a report or presentation.</p> <p>Source:</p> <p>1.https://www.nysora.com/techniques/head-and-neck-blocks/nerve-blocks-face/</p> <p>2.https://pdfs.semanticscholar.org/15f9/1c205b5e09554d40b8c5a333e5018e4b6bfc.pdf</p>			
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To perform the IWS, both the recommended course literature and sources are used, as well as those found independently. The IWS is delivered strictly on schedule. In case of valid circumstances (if there is documentary evidence), the IWS may be accepted outside of the schedule.

Evaluation sheet of the student's independent work

1. Material design		
25 points Designed in accordance with general and technical requirements, including a list and references to the literature used	24-17 points Designed in accordance with general and technical requirements, incorrectly designed or not provided references to the literature used	16-0 points Designed carelessly, there are violations in the structure of the material, there are no references to the sources used
2. The content of the material and its informativity		
25 points Corresponds to the topic and task. All the necessary information has been fully conveyed.	24-17 points Partially corresponds to the topic/task. Overloaded with material, or there is not enough information.	16-0 points Does not correspond to the topic/task.
3. The amount of work		
25 points The work is a finished work. All sections/components are presented	24-17 points Up to 50% of the work has been completed. The main sections/components are presented	16-0 points Up to 30% of the work has been completed. The main sections/components are presented
4. Mastery of material		
25 points Fluency in the material	24-17 points Incomplete knowledge of the material. The information was reported with inaccuracies.	16-0 points The work performed does not reflect the mastery of the material