

CRITERIA FOR ASSESSING STUDENTS' KNOWLEDGE IN ACADEMIC DISCIPLINE “MEDICAL AND BIOLOGICAL PHYSICS”

Grade “10” (ten)

is given to the students who show comprehensive systematic and in-depth knowledge in every section of the curriculum, as well as on the main issues that go beyond its borders, are fluent in the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, display evidence of extensive background reading of relevant and additional literature recommended by the curriculum, can communicate the material stylistically correctly and in a highly-structured way. The student must demonstrate the ability to independently and creatively solve complex problems, critically evaluate and analyze the theories and concepts in the areas of medical and biological physics and apply the knowledge of other disciplines to the task set. The student must actively participate in group discussions and show a high level of culture while undertaking the tasks.

Grade “9” (nine)

is given to the students who show deep and systematic knowledge in every section of the curriculum, are fluent in the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, display evidence of extensive background reading of relevant literature and are familiar with the additional resources, can present the material stylistically correctly and logically coherently. The student must demonstrate the ability to independently and creatively solve complex problems within the framework of the curriculum, feel confident in the basic theories and concepts of medical and biological physics and give them critical evaluation. The student must actively participate in group discussions and show a high level of culture while undertaking the tasks.

Grade “8” (eight)

is given to the students who show deep and systematic knowledge on the identified issues within the scope of the curriculum, are fluent in the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, display evidence of extensive background reading of relevant literature and are familiar with the additional resources, recommended by the curriculum, can present the material stylistically correctly and logically coherently. The student must demonstrate the ability to independently solve complex problems within the framework of the curriculum and feel confident in the basic theories and

concepts of medical and biological physics. The student must actively participate in group discussions and show a high level of culture while undertaking the tasks.

Grade “7” (seven)

is given to the students who show full and deep knowledge in every section of the curriculum, have a good command of the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, display evidence of extensive background reading of relevant literature and are familiar with the additional resources, recommended by the curriculum, can present the material stylistically correctly and logically coherently. The student must demonstrate systematic knowledge of medical and biological physics, show the ability to independently solve complex problems and feel confident in the basic theories and concepts of medical and biological physics. The student must actively participate in group discussions, show a high level of culture while undertaking the tasks.

Grade “6” (six)

is given to the students who show sufficiently complete knowledge within the scope of the curriculum, have a good command of the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, can communicate the material amply, are able to make informed judgments, display evidence of background reading of the relevant literature recommended by the curriculum. The student must demonstrate systematic knowledge of medical and biological physics, show the ability to independently apply the standard solutions within the framework of the curriculum, feel confident in the basic theories and concepts of medical and biological physics and give them a comparative assessment. The student should periodically participate in group discussions, show a high level of culture while undertaking the tasks.

Grade “5” (five)

is given to the students who show sufficient knowledge within the scope of the curriculum, have a good command of the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, can stylistically competently communicate the material on the identified issues, are able to make informed judgments, display evidence of background reading of the relevant literature recommended by the curriculum. The student must demonstrate the ability to independently apply the standard solutions within the framework of the curriculum, feel confident in the basic theories and concepts of medical and biological physics and give them a comparative assessment. The student

must participate in group discussions, work independently in practical classes, show a high level of culture while undertaking the tasks.

Grade “4” (four) – acceptable (passed)

is given to the students who show sufficient knowledge within the educational standard, have a good command of the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, use scientific terminology, can stylistically correctly and logically appropriately communicate the material, are able to draw conclusions without significant errors, display evidence of background reading of the relevant literature recommended by the curriculum. The student must demonstrate the ability to solve standard problems under the supervision of a teacher, feel confident in the basic theories and concepts of medical and biological physics and be able to evaluate them. The student must work in practical classes under the guidance of a teacher, demonstrate acceptable level of culture while undertaking the tasks.

Grade “3” (three) – unacceptable (failed)

is given to the students who show insufficiently full scope of knowledge within the educational standard, have a low level of command of the basic concepts of the medical and biological physics course and the methods for determination of different physical characteristics of biological objects, communicate the material on the identified issue with significant linguistic and logical errors, are incompetent in solving standard problems, show little evidence of background reading of the relevant literature recommended by the curriculum, are not familiar with the basic theories and concepts of medical and biological physics, are passive in practical classes, show a low level of culture while undertaking the tasks.

Grade “2” (two) – unacceptable (failed)

is given to the students who show fragmentary knowledge within the educational standard, communicate the material with serious stylistic and logical errors, display little knowledge of the relevant literature recommended by the curriculum, are passive in practical classes, show a low level of culture while undertaking the tasks.

Grade “1” (one) – unacceptable (failed)

is given to the students who show lack of knowledge and competences within the educational standard or refuse to answer.