

COURSE CERTIFICATE

№ 02MOLBIO-0223-2-2

Date of issue 19/01/2024

This is to certify that

Величко Вера Владимировна

Successfully completed the course

METHODS OF MOLECULAR BIOLOGY

2 credits

The description of the course and the achieved learning results are given in the appendix to this certificate.

E-CERTIFICATE

<https://open.spbstu.ru/certificate/02MOLBIO-0223-2-2.pdf>



acting Vice-rector for Educational
Activities
Ludmila V. Pankova

Величко Вера Владимировна

STUDENT ID 3594800

PETER THE GREAT ST. PETERSBURG POLYTECHNIC UNIVERSITY
<http://www.spbstu.ru/>

THE NAME OF THE COURSE METHODS OF MOLECULAR BIOLOGY
<https://openedu.ru/course/spbstu/MOLBIO/>

LEAD-TIME

From September 24, 2023 to December 31, 2023

Assessment, number of hours and credits per course

Credits	Hours		Assessment		
	General	Academic	100-point	5-point	Letter
2	54	72	95	5	A

GRADING POLICY

Evaluation scale ranges (100-point scale)	Score (5-point scale)	Letter
90-100	5	A
75-89	4	B
60-74	3	C
0-59	2	F

COURSE PROGRAM

- Module 1. Molecular biology of viruses
- Module 2. Molecular biology of bacteria
- Module 3. Molecular plant biology
- Module 4. Molecular biology of animals
- Module 5. Molecular biology and medicine
- Module 6. Final project

LEARNING OUTCOMES

After completing this course, student will be able to:

- see the correlation of molecular biology techniques with advances in related fields of science;

- understand the specifics of methods related to the study, regulation and application of proteins and nucleic acids;
- interpret information on differences in molecular biological processes in pro- and eukaryotes;
- analyze the interaction of regulatory and functional elements of molecular-biological processes;
- apply the knowledge gained within the course in simulation and modeling, risk assessment, when writing articles, reviews, reports, developing cases and for analysis of the information perceived.

SCORING FORMULA

Nº	Assessment Type	Points scored	Maximum score	Quotient
1	Tests	98	100	0,50
2	Final Project	100	100	0,25
3	Final Exam	83	100	0,25
4	Final Score	95	100	1



Appendix to the certificate №
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