



COURSE CERTIFICATE

№ 02BIM-0124-1 Date of issue 05/06/2024

This is to certify that

Абакумов Всеволод Николаевич

Successfully completed the course

BIM: FROM SKETCH TO DIGITAL TWIN

2 credits

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



https://open.spbstu.ru/certificate/02BIM-0124-1.pdf



Vice-rector for academic affairs Ludmila V. Pankova

Абакумов Всеволод Николаевич

STUDENT ID 41538

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

THE NAME OF THE COURSE BIM: FROM SKETCH TO DIGITAL TWIN https://openedu.ru/course/spbstu/BIM/

LEAD-TIME

From February 26, 2024 to May 26, 2024

Assessment, number of hours and credits per course

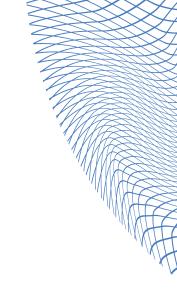
Credits	Hours		Assessment		
	General	Aca- demic	100-point	5-point	Letter
2	54	72	91	5	А

GRADING POLICY

Evaluation scale ranges (100-point scale)	Score (5-point scale)	Letter	
90-100	5	А	
75-89	4	В	
60-74	3	С	
0-59	2	F	

COURSE PROGRAM

- 1. BIM Concept
- 2. Building Information Modeling
- 3. Basic work with BIM-Information
- 4. Coordination, Management and Quality Control
- 5. Advanced BIM tools
- 6. Digital twins of buildings



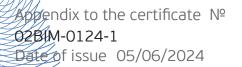
LEARNING OUTCOMES

At the end of the course you will be able to:

- · know the concept of BIM from sketch to digital twin;
- create topoplan using Toposurface in Massing&Site and to work with the building systems using MEP families;
- create schedules for different purposes and make material schedule using Material Takeoff tool;
- · manage and to control BIM project;
- know how to use Revit cloud work-sharing service, where designers can organize collaboration through BIM 360.

SCORING FORMULA

Nō	Assessment Type	Points scored	Maximum score	Quotient
1	Test. Module 1	100	100	0,10
2	Test. Module 4	80	100	0,10
3	Test. Module 6	90	100	0,10
4	Practice 1	100	100	0,15
5	Practice 2	100	100	0,15
6	Practice 3	100	100	0,15
7	Final Exam	75	100	0,25
8	Final Score	91	100	1





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