

SUMMARY OF DISCIPLINE

1. Discipline: Thermal Processes in Silicate Technology of Refractory nonmetallic Materials

2. Symbol (code) in the curriculum B3.V.1.2

3. Educational program: Direction Bachelor 18.03.01 "Chemical technology"

4. Training profile «Technology of refractory non-metal and silicate materials»

5. Qualifications (degree) Bachelor

6. Providing unit: Department of Technology of silicates and nanomaterials

7. Teachers: Associate Professor Revva I.B., tel. (3822) 563-1691.

8. The results of the development of the module (discipline)

№ п/п	The result
РД1	Apply their theoretical knowledge of thermal of processes occurring in the production of refractory non-metal and silicate materials.
РД2	Independently perform calculations the basic characteristics of thermal processes.
РД3	Apply the methods of calculation thermal units.

9. The content of the module (Discipline) (the list of the main topics (sections)).

Chapter 1. Technical Thermodynamics.

Chapter 2. Thermal Installations.

Chapter 3. Fundamentals of Theory of Heat Transfer, Heat Transfer Methods.

Chapter 4. The Main Heat Engineering Units in the Technology of Refractory Non-Metal and Silicate Materials.

10. Course 3, Semester 6, Credits 4.

11. Prerequisites: B2.B1 Mathematics, Physical chemistry B2.B5, B3.B1 Descriptive Geometry and Engineering Graphics, B3.B2 General Chemical Engineering, B3.B9 Mechanics, Materials B3.V1

12. Korekvizity: B3.B3 Processes and devices of chemical technology, B3.V.5.1 Mineralogy and Crystallography.

13. Type of Certification: Exam

Coordinator: Revva I.B., Associate Professor of the department of silicates technology and nanomaterials TPU