SEMINARS:

The topic №	Name of topics for class	Number of hours	Maximum score
1	A Brief History of the Development of Nuclear Physics	1	5
2	Static characteristics of nuclei.	1	5
3	Nucleon-nucleon interaction and properties of nuclear forces	1	5
4	Model of a liquid droplet Shell and generalized models	1	5
5	Natural and artificial radioactivity. Types of decay	1	5
6	Conservation laws. Energy of reactions and decays	1	5
7	Use of nuclear energy	1	5
8	Methods of research in nuclear physics and particles.	1	5
9	Accelerators	1	5
10	Fundamental interactions.	1	5
11	Nuclei Under Extreme Conditions.	1	5
12	Supernova and Synthesis of Heavy Nuclei.	1	5
13	Developing of Nuclear physics	1	5
14	Shrodinger equation	1	5
15	Macroscopic quantum phenomena	1	5