

### SEMINARS:

The topic №	Name of topics for class	Number of hours	Maximum score
1	Nuclear technologies	1	5
2	Production of electrical and heat energy.	1	5
3	Basic nuclear-physical concepts.	1	5
4	Types of nuclear reactors.	1	
5	The main structural units of hulls and process equipment	1	5
6	Requirements for radiation resistance of structural materials and fuel	1	5
7	Nuclear power transport installations.	1	5
8	Nuclear-propulsion systems in space.	1	5
9	Irradiated nuclear fuel and technical practice of radioactive waste management.	1	5
10	The main types of accelerators.	1	5
11	Application of accelerators in science and industry	1	5
12	Radioactivity. Natural and artificial radioactivity	1	5
13	Radioactive isotopes and ionizing radiation.	1	5
14	Use of nuclear technology for peaceful purposes.	1	5
15	Development of nuclear technology in Kazakhstan.	1	5