

SEMINARS:

The topic №	Name of topics for class	Number of hours	Maximum score
1	Relativistic point particles.	1	8
2	Currents and secondary quantization.	1	8
3	Boson strings.	1	8
4	Closed strings.	1	8
5	Supersymmetric point particles.	1	8
6	Local two-dimensional supersymmetry.	1	8
7	Conformal field theory.	1	8
8	The Kac-Moody algebras.	1	8
9	Unitarity. One-loop amplitudes.	1	8
10	Derivation of the field theory of point particles.	1	8
11	Covariant field string theory.	1	8
12	String group.	1	8
13	Anomalies and Feynman diagrams.	1	8
14	Spectrum of states. Covariant and fermion formulations.	1	8
15	Four-dimensional superstrings.	1	8