Proposed Lecture Courses

YSU:

1. A. Allahverdyan, Statistical Mechanics of Small Systems (2nd Year)
2. T. Hakobyan, V. Ohanyan, Introduction to Integrable Systems in Statistical Mechanics and Their Application in Quantum Field Theory (3nd Year)
3. T Hakobyan, Physical Applications of Group Theory (2nd Year)
4. D. Kharakhanyan, Theory of Integrable Systems and Their Application (3nd Year)
5. E. Mamasakhlisov, Statistical Physics and Thermodynamics of Macromolecules (1nd Year)
6. A. Nersessian, Geometrical Aspects of Hamiltonian Mechanics (1nd Year)
7. G. Sarkissian, Elements of Topology and Differential Geometry (2nd Year)

TSU:

1. G. Jorjadze, Lectures of Integrable Models in Field/String Theory (2nd Year)
2. M. Eliashvili, Quantum Fields and Low Dimensional Physical Systems (1nd Year)
3. M. Gogberashvili, Gravitation, Cosmology and Astroparticle Physics (1nd Year)
4. G. Devidze (I semester) and
5. Z. Tavartkiladze (II semester), The Methods of Quantum Field Theory: Particle Physics of Standard Model and Beyond; Intersection with Cosmology (1nd Year)
6. T. Mdzinarashvili, Physical Methods in Biology (1nd Year)
7. A. Khelashvili, Topological Objects in Field Theory (2nd Year)
8. M. Tabidze, Modeling and Data analysis in Physics (2nd Year)

BU:

1. A. Rusetsky, QCD (1st Year)
2. A. Rusetsky, Effective Field Theories (2nd Year)
3. A. Rusetsky, Field Theory on the Lattice (3nd Year)

Usi:

1. A. Khodjamirian, Th. Mannel, Lectures on flavour physycs and CP violation (in two parts, 2 nd Year)
2. A. Khodjamirian, QCD sum rules and applications to hadron matrix elements (2 nd Year)
3. Th. Mannel, Effective quantum filed theories for heavy quarks (3nd Year)