

Ph 230 Syllabus  
FA 2009-10  
Professor Gukov

Fall: Solitons (kinks, vortices, monopoles, instantons), the role of instantons, anomalies, phases of gauge theories

Winter: Standard Model and beyond (MSSM, LHC physics, GUTs, ... )

Spring: Dynamics and phases of supersymmetric gauge theories, dualities, supersymmetry breaking