1. Kac-Wakimoto character formula for affine Lie superalgebras.

Abstract: I will outline a proof of the Kac-Wakimoto character formula for some irreducible highest weight modules over affine Lie superalgebras. This formula will be used in V. Kac's lectures.

Prerequisites: V. Kac's lectures I, II.

2. Kac-Moody superalgebras.

Abstract: I will review results of C. Hoyt and V. Serganova on the classification of Kac-Moody superalgebras. In the supercase several Cartan matrices may determine the same superalgebra and our definition of Kac-Moody superalgebra is based on this fact. Surprisingly, all indecomposable Kac-Moody superalgebras with isotropic roots are finite-dimensional or affine.

Prerequisites: V. Kac "Infinite-dimensional Lie algebras", Third edition, Cambridge University Press, 1990, Ch. I and IV.