

ALGEBRA SEMINAR

Lifting Hopf algebras, I

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ABSTRACT: In the center of this series of three talks will be the passage between representations of Hopf algebras in characteristic 0 and representations in positive characteristics. I will start by giving a very brief introduction to Hopf algebras. Then I plan to discuss Gerstenhaber-Schack cohomology of bialgebras, Frobenius extensions — these are defined by stipulating that the familiar induction and coinduction functors be isomorphic — and the celebrated Cartan-Brauer triangle of representation theory. The talks will be ideally suited for students with some background in homological algebra, but the basic issues can be appreciated by all graduate students with an interest in algebra.

MONDAY, NOVEMBER 21, 2011

1:40 – 2:30 PM

ROOM 617, WACHMAN HALL
DEPARTMENT OF MATHEMATICS