Tentative schedule

All lectures will be 50 minutes. (Mornings 9 - 9:50; 10:10 - 11:00, 11:30 - 12:20)
The afternoons will be reserved for discussions and problem sessions.

Monday
1. Introductory lecture (Dave)
   Historical perspective, motivation (via representation type), overview
2. Modular representations of finite groups (Sri)
   Modules over group algebras, inflation, restriction, tensor products,...
3. Triangulated categories (Henning)
   Stable category of a Frobenius category; compact objects.

Tuesday
1. Perfect complexes over a commutative ring (Sri)
   Support, Koszul complexes, Hopkins-Neeman, applications
2. Brown representability (Henning)
   Localizing and colocalizing functors, existence of adjoints.
3. Group cohomology (Dave)
   Cohomology algebras (commutativity, finite generation). Stable module category, tensor structure, classification of thick subcategories.

Wednesday
1. Local cohomology and support in triangulated categories (Henning)
   Based on our article of the same name (published in Ann. Sci.)
2. Derived and homotopy categories over commutative rings (Sri)
   General discussion of Koszul objects; local cohomology and support
3. Stable module category over group algebras (Dave)
   Homotopy category of injectives, recollement, local cohomology, support

Thursday
1. Stratification of triangulated categories (Dave)
   Material from our article "Stratifying triangulated categories"
2. Consequences of stratifications (Sri)
3. Change of categories (Henning)

Friday
1. Derived category of a formal dg algebra (Sri)
   Neeman's theorem for formal dg algebras; only for polynomial algebras.
2. Elementary abelian 2 groups (Henning)
   Stratification via BGG correspondence
3. Stratification for arbitrary finite groups (Dave)
   Quillen stratification, descent to elementary abelian groups