Tilting Modules and Ringel Duality

If an abelian category is not semisimple, the next best thing it can be is a Highest Weight Category. I will continue my previous talk, beginning with some basic definitions and review of Highest Weight Categories. I will then define Tilting modules and describe the construction of a Ringel Dual, and discuss some of the merits and flaws of this construction. I will delve into an explicit example or two, to give us a picture of what is going on. Time permitting, I will discuss my research about the Tilting modules and Ringel Dual of Generalized Schur Algebras.