1023-18-293 **Deepak Naidu*** (dnaidu@unh.edu). *Categorical Morita Equivalence For Group-Theoretical Categories.*

After presenting the definition of a module category and related notions, we introduce the notion of categorical Morita equivalence of pairs (G, ω), where G is a finite group and $\omega \in H^3(G, k^\times)$. A tensor category is called pointed if all its simple objects are invertible. A tensor category is group-theoretical if it is dual to to a pointed category. Our motivation to study categorical Morita equivalence comes from the question about existence of semisimple finite-dimensional Hopf algebras with non group-theoretical representation categories. We will present necessary and sufficient condition for two pairs (G, ω) and (G', ω') to be categorically Morita equivalent. A series of concrete examples of pairs of groups that are categorically Morita equivalent but have inequivalent representation categories is given. (Received September 10, 2006)