Frank Patane* (fpatane@samford.edu), Samford University, 800 Lakeshore Dr, Homewood, AL 35209. On a Generalized Identity Connecting Theta Series Associated with Discriminants $\Delta$ and $\Delta p^2$.

When the discriminants $\Delta$ and $\Delta p^2$ are idoneal, there is a well known theorem which connects the theta series associated to binary quadratic forms of each discriminant. In this talk we discuss the result of a recent paper which generalizes this theorem by allowing $\Delta$ and $\Delta p^2$ to be non-idoneal. We state this theorem and give an example of an identity which connects the theta series associated to a single binary quadratic form of discriminant $\Delta$ to a theta series associated to a subset of binary quadratic forms of discriminant $\Delta p^2$. (Received September 21, 2017)