Let $\phi$ be an analytic self-map of open unit disk $D$. Let $\mathcal{H}(D)$ be the space of all analytic functions on $D$. For a nonnegative integer $n$, the weighted differentiation composition operator on $\mathcal{H}(D)$ is defined as $D^n_{\phi,u}f(z) = u(z)f^{(n)}(\phi(z))$, for $f \in \mathcal{H}(D)$ and $z \in D$. In this talk, we characterize the boundedness and compactness of the weighted differentiation composition operator $D^n_{\phi,u}$ from the weighted Nevanlinna classes $N^p_\alpha$ to the weighted-type space $H^\infty_\mu$ and the little weighted-type space $H^\infty_{\mu,0}$. (Received July 27, 2017)