

1116-13-2031 **Tracy Dawn Hamilton*** (hamilton@csus.edu). *Zariski-Samuel Associated Prime Ideals*. Preliminary report.

When studying non-Noetherian rings, one must be careful when discussing associated prime ideals. The many characterizations used in Noetherian ring theory are no longer equivalent. Many authors choose to work with what we call Zariski-Samuel associated prime ideals. However, not all authors use the same characterization of these associated primes. In this talk we will discuss the differences between these two characterizations. We will also look at conditions under which the two characterizations are equivalent. (Received September 21, 2015)