

1116-VU-536      **Jay Stine\*** (jstine@misericordia.edu). *A New Characterization of Clopen Sets*. Preliminary report.

We characterize clopen (both open and closed) sets in a topological space in terms of functions and discrete spaces. Accordingly we can define clopen (sub)objects in any topological category. We give some simple examples and discuss a very general Theorem which has an interesting interpretation in general topology. (Received September 06, 2015)