1143-13-447 **D. D. Anderson**, **Sangmin Chun** and **Jason R. Juett*** (jason.juett@txstate.edu),
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Module-theoretic generalizations of commutative von Neumann regular rings.

Let R be a commutative ring. It is well known (and easy to see) that R is von Neumann regular $\Leftrightarrow$ $xR = x^2R$ for each $x \in R$ $\Leftrightarrow$ every ideal is pure $\Leftrightarrow$ every finitely generated ideal is a direct summand $\Leftrightarrow$ R is locally simple $\Leftrightarrow$ $R = xR \oplus (0 :_R (x))$ for each $x \in R$ $\Leftrightarrow$ the endomorphism ring of R is von Neumann regular. By abstracting these characterizations to R-modules in the obvious way, one arrives at six distinct notions of a "regular" module. In this presentation we will examine each of these six kinds of "regular" modules (and others), discuss the implications between them, and develop several properties of each kind of "regular" module. (Received August 20, 2018)