

1125-B1-2225 **Joy L. Becker*** (joy.becker@wartburg.edu). *Cryptology Examples for a Variety of Course Levels*. Preliminary report.

Topics related to cryptology can be introduced in a variety of mathematics courses, such as abstract algebra, linear algebra, and first-year general education courses. For example, the applications of matrices in methods such as the Hill cipher can give students a taste of the mathematics behind cryptology. This talk will include ways to introduce cryptology examples in various mathematics courses for majors and non-majors. The impact on student motivation will also be discussed. (Received September 20, 2016)