

1014-Y5-473 **Katarzyna Potocka*** (kpotocka@ramapo.edu), Ramapo College of New Jersey, Department of Mathematics, 505 Ramapo Valley Road, Mahwah, NJ 07430. *Teaching a Course in Cryptology - strengthening mathematical interests in a variety of majors*. Preliminary report.

With the rapid advances in technology, the needs for cryptology have grown drastically in the past several years. The contributed paper will report how offering and teaching a course in cryptology inspires students' interest and persistence in mathematics, both for mathematics and non-mathematics majors. Moreover, some recommendations on how to develop and run an undergraduate course in cryptology will be presented. An evaluation of an upper level undergraduate mathematics course in cryptology and a lower level general education course in cryptology taught by the speaker will be discussed. (Received September 17, 2005)