

1035-G1-1126 **Neil P Sigmon*** (npsigmon@radford.edu), Department of Mathematics, P.O. Box 6942, Radford University, Radford, VA. *Teaching Cryptography in a Wireless Environment using Maplelets*. Preliminary report.

This presentation will describe a general education course in cryptology that is currently being taught as an honors course at Radford University. In particular, a description of the technology resources used in this course will be given. Due to intensive computations required in many algorithms in cryptography, the use of some type of technological resource is almost an essential component of any course involving this topic. This presentation demonstrates the use of Maplelets, which allow students to easily execute encryption and decryption algorithms with very little required programming knowledge. A description will be given of how these Maplelets can be used in conjunction with electronic discussion groups in a wireless setting to allow students to simulate encrypted communications. (Received September 19, 2007)