

1035-G1-1534 **Michael Karls*** (mkarls@bsu.edu), Department of Mathematical Sciences, Ball State University, Muncie, IN 46219. *“Codes, Ciphers, and Cryptography”*: *An Honors Colloquium in Mathematics*.

At the suggestion of a colleague, I read “The Code Book” by Simon Singh, to get a basic introduction to the RSA encryption scheme. Inspired by Singh’s book, I designed a Ball State University honors colloquium in mathematics for both majors and non-majors, with material coming from “The Code Book” and many other sources. This course became so popular that we had to open up more than one section, due to the large number of requests! I will look at the challenges of designing the course “from scratch” and give examples of the topics from the course, both those that worked well and those that did not work as well. (Received September 20, 2007)