

**Cryptography**  
**(Math 4613)**  
**Challenges**  
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In order to cover more material faster, and to assign more challenging problems, you have been sorted into teams (“houses”?). Each team contains some students with more mathematics background, and some students with more programming background. Each team will collect points to be posted on the board; the team with the most points at the end of the semester wins. This counts towards your grade.

Challenges will be posted on the web site [www.saumag.edu/pbailey](http://www.saumag.edu/pbailey). Please work cordially with your team in order solve the challenges; your team should meet with each other at least once a week. Your team accrues points by being the first team to solve the challenge.

The challenges will involve decryptions, cracking encryptions, solving mathematical problems, and constructing C++ classes which mirror examples from the theory. Good classes will make solving some of the decryption problems much easier.

These are the teams:

Gryffindor	Hufflepuff	Ravenclaw
Lindsey Bradley	Steven Baker	Chance Hugh
Apil Tamang	Roshan KC	Dipen Joshi
Edward Yang	Dip Manandhar	Luke Lowery
	Melissa Meador	