

### Fall 2019 CIS 3362 Homework #3 Grading Criteria

#### Questions #1, #2, and #3 worth 20 points each

If a cipher IS NOT broken, but reasonable efforts are described to try to break it, then give a maximum of 15 out of 25.

If a cipher is broken, but the description/write up is inadequate to justify the results, then in between 15 and 20 points, depending on how incomplete you think the write up is. If it's broken and the justifications and steps described are reasonable give full credit. You can also award in between 21-24 points, depending on how complete you think the description is.

#### Question #4 (20 pts)

Max 10 pts if they never found the inconsistency. Give partial in these cases based on the amount of effort it seems they put forth.

If the inconsistency is found, award 10 pts for doing so. Then award 2 pts for the corrected mappings, 6 points for figuring out the rest of the square, and 2 pts for the final decryption.

#### Question #5 (10 pts)

Full credit if they got it and there's reasonable code attached.

If they didn't get it, award partial credit based on attached code as follows:

Any double for loop for encryption: 2 pts

Properly hard-coding or reading in the message: 2 pts

Using mod anywhere reasonable: 2 pts

So max partial for this one is 6 pts.

#### Question #6 (10 pts)

4 pts - translate letters to ADFGVX appropriately.

2 pts - number columns

4 pts - read off columns properly to create ciphertext.

**At the end, take off 5 points if the student didn't join a group and turned it in as an individual. (It's okay if the student joined a group of size 1.) I want all students to use the group mechanism properly.**