

**Comp 335 – File Structures
Cryptography Research Paper – 100 pts
Grading Rubric**

Name: _____

Topic: _____

I. Formatting and writing (26)

- a) Paper formatted using APA style/Microsoft Word document _____(5)
- b) 1” margins/double-spaced/Times New Roman font – 12 pt _____(5)
- c) Spelling _____(8)
- d) Grammar _____(8)

II. Content (74)

- a) Title Page (include paper title, name, course, and date) _____(2)
- b) Abstract (1 paragraph summary of paper contents) _____(5)
- c) Introduction to Cryptography _____(8)
 - Length (1 to 1.5 pages)
 - History, Purpose, Examples of usage in today’s society
- d) Background information on algorithm _____(8)
 - Length (.5 to 1 page)
 - Inventor/ when invented
 - Algorithm type
 - Basic philosophy of the algorithm
- e) Detailed algorithm explanation – how it works _____(16)
 - Length (2 to 3 pages)
 - Technical aspects
 - Mathematical foundation
 - Each step of encryption and decryption explained
- f) Detailed worked example _____(16)
 - Length (1 to 2 pages)
 - Step- through of a trivial encryption and decryption
- g) Discussion of advantages/disadvantages _____(8)
 - Length (1 to 2 pages)
- h) Conclusion (summarize major points) _____(5)
 - Length (1 paragraph)
- i) Reference List _____(8)
 - Minimum of six – correctly formatted
 - All references cited, all citations referenced
 - Citations properly formatted

III. Penalties (late, other) _____

- Not turned in by 5pm on Nov 18, assessed a 25 pt penalty
- Not turned in by midnight on Nov 27, you will receive a zero

IV. Total _____ **(100)**