**Assignment for Principles of Genetics**

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|   | Study of cell ultrastructure and its organelles  |
|  | Mendels Laws of Inheritance, onohybrid, dihybrid, trihybrid, test cross and back cross  |
|  | Epistatic interactions including test cross and backcross and co-dominance and multiple allele  |
|  | Mitotic cell division  |
|  | Meiotic cell division  |
|  | probability and Chi-square test  |
|  |  Linkage and crossing over estimation (two point cross and three point cross data)  |
|  | sex linked Inheritance in drosophila  |
|  | DNA and RNA structure Mutation, Classification of Mutagens and Mullers’ CIB Techniques |