**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 |