LS532AEpigenetics2 CreditsName of the Faculty : Prof. A.K. Sarkar*, Prof. S. Chakraborty andProf. A.K. Nandi		
Sr.No.	Торіс	Faculty Name/ Contact Hours
1.	Epigenetics- Concept and overview	AKS/3
2.	Small RNAs: Discovery, classification, and Biogenesis	AKS/2
3.	miRNA and ta-siRNA, regulation of plant development and/or physiology	AKS/2
4.	Long non-coding RNA	AKS/2
5.	Epigenetic regulation of Stem Cell reprogramming	AKS/2
6.	siRNA, regulation of plant development and/or disease	SC/2
7.	Circular RNA, biogenesis, and function	SC/2
8.	Epigenetics control of Immunity	SC/3
9.	Epigenetics and DNA repair	SC/2
10.	Epigenetic regulation of flowering	AKN/2
11.	Epigenetic regulation of plant responses to environment	AKN/2
12.	Dosage compensation	AKN/2
13.	Epigenetic regulation of Genome imprinting	AKN/2
14.	Epigenetics in transgenerational inheritance	AKN/2

Further Reading:

- 1. Epigenetics, Second Edition 2nd Edition by C. David Allis, Marie-Laure Caparros, Thomas Jenuwein, and Danny Reinberg
- 2. Epigenetics 1st Edition by Lyle Armstrong
- 3. Introducing Epigenetics: A Graphic Guide by Cath Ennis
- 4. Handbook of Epigenetics and Chromatin by Kylan Russell
- 5. Fundamentals of Chromatin: J.L. Workman and S. Abmayr (Eds.)