



DEPARTMENT OF GENETICS AND PLANT BREEDING
Bangabandhu Sheikh Mujibur Rahman Agricultural University

Gazipur 1706

GPB -545: Breeding Horticultural Crops

Course Instructor: Prof. Dr. A. K. M. Aminul Islam, GPB, BSMRAU

Mobile No.: 01715401519, **Email:** pulak292003@yahoo.com

Text book :

- i) Introduction to Quantitative Genetic by D. S. Falconer
- ii) Plant Breeding: Analysis and Exploitation of Variation by Darbeshwar Roy
- iii) Biometrical Techniques in Plant Breeding by Phundun Singh
- iv) Biometrical Methods in Quantitative Genetic Analysis, Singh and Chaudhary
- v) The Genetical Analysis of Quantitative Traits, Kearsy and Pooni

Class No. & Date	Topics/Exam
1	Introduction and mode of instruction of the Course
2	Scope of breeding Horticultural crops
3	Classification and origin of Horticultural crops
4	- D0 -
5	Methods of Breeding Horticultural crops
6	-Do -
7	- Do -
8	- Do-
9	-Do -
10	Mid-Term-1
11	Breeding Solanaceous vegetable crops – Tomato and Eggplant
12	Breeding Potato and Sweet Potato
13	Breeding Brassica vegetable crops – Cabbage and cauliflower
14	Breeding Radish and Broccoli
15	Breeding Leguminous vegetable crops- Country bean and Pea
16	Breeding Yard long bean and French bean
17	Breeding Cucurbitaceous vegetable crops- Cucumber
18	Breeding Ash gourd and Bottle gourd
19	Breeding Sponge gourd and Ridge gourd
20	Breeding Pointed gourd and Spine gourd
21	Breeding Bitter gourd and Snake gourd
22	Mid Term-2
23	Breeding Banana
24	Breeding Mango
25	Breeding Papaya
26	Breeding Litchi
27	Breeding Jackfruit
28	Breeding Watermelon
29	Breeding Muskmelon
30	Breeding Ornamental crops
31	Breeding Ginger
32	Breeding Onion and garlic
	Final Exam