

COURSES-DOCTORATE (PhD) PROGRAM OUTPUTS MATRIX IN THE AGRICULTURAL GENETIC ENGINEERING DEPARTMENT

Course Type	Course Code	Course Title	Credit			Program Outputs																
FALL			Class	Practice	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Compulsory	TGM8001	Plant Molecular Biology Techniques	3	0	8	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0
Compulsory	TGM8003	Advanced Plant Breeding	3	0	8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0
Compulsory	FBE8001	Scientific Research Techniques and Publication Ethics	3	0	8	0	0	0	0	4	0	0	0	0	0	4	4	4	4	0	0	0
Compulsory	TGM7007	Thesis Proposal	0	0	30	0	0	0	0	5	0	0	0	0	5	5	5	5	0	5	0	0
Compulsory	TGM7001	Seminar	0	2	8	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0
Compulsory	TGM7005	Specialized Field Course	5	0	2	0	0	0	0	0	0	0	0	0	5	5	5	5	0	5	0	0
Compulsory	TGM7009	Thesis Research	0	1	30	0	0	0	0	5	0	0	0	0	5	5	5	5	0	5	0	0
Compulsory	TGM7003	Doctoral Qualification	0	0	30	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
Elective	TGM7111	Breeder's Rights and Ethics	3	0	8	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
Elective	TGM7113	Regulation of Gene Expression in Plants	3	0	8	5	0	0	0	0	0	5	5	5	5	5	0	0	0	0	0	0
Elective	TGM5117	Molecular Biology of Abiotic Tolerance	2	0	8	4	4	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0
Elective	TGM7101	Applied Bioinformatics	3	0	8	0	4	0	4	0	4	4	4	0	4	0	0	0	0	0	0	0
Elective	TGM7103	Analysis of Genes and Genomes of Plants	3	0	8	4	4	0	4	0	0	0	0	0	4	0	0	4	0	0	0	0
Elective	TGM7105	Preparation and Implementation of Breeding Programs	3	0	8	0	0	5	5	0	0	0	0	0	5	0	0	0	0	0	0	0
Elective	TGM7109	Current Issues in Plant Breeding	3	0	8	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0
Elective	TGM7107	Breeding for Quality	3	0	8	0	0	4	4	0	0	0	0	0	4	4	4	0	0	0	0	0
SPRING																						
Zorunlu Ders	TGM8002	Experimental Techniques in Plant Breeding	3	0	8	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0
Zorunlu Ders	TGM8004	Genomics	3	0	8	4	4	0	4	0	0	0	0	0	4	4	4	4	4	0	0	0
Seçmeli Ders	TGM7008	Thesis Proposal	0	1	30	0	0	0	0	5	0	0	0	0	5	5	5	5	0	5	0	0
Elective	TGM7002	Seminar	0	2	8	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0
Elective	TGM7006	Specialized Field Course	5	0	2	0	0	0	0	0	0	0	0	0	5	5	5	5	0	5	0	0
Elective	TGM7010	Thesis Research	0	1	30	0	0	0	0	5	0	0	0	0	5	5	5	5	0	5	0	0
Elective	TGM7004	Doctoral Qualification	0	0	30	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
Elective	TGM7110	Establishment of Seed Production Programs	3	0	8	0	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0
Elective	TGM7112	Root Genomics and Engineering	3	0	8	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0
Elective	TGM7114	Origin of Crop Species	3	0	8	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0

Elective	TGM7102	Gene Transfer Techniques in Plants	3	0	8	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0
Elective	TGM7104	Genetic Mapping in Plants	3	0	8	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Elective	TGM7106	Proteomics ve Metabolomics	3	0	8	0	4	0	0	0	0	0	0	0	4	0	0	4	4	0	0	0
Elective	TGM7108	Resistance Breeding	3	0	8	4	4	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0