

Digital Agriculture Department Program Outcomes						Course Matrix Program Outcomes							
Code	Code	T	P	K	ECTS	1	2	3	4	5	6	7	8
1. Year – Fall Semester													
FBE8001	Scientific Research Techniques and Publication Ethics	3	0	3	8	4	3	4	4	2	3	3	5
DGT6003	Special Topics	5	0	0	2	3	3	3	4	2	2	4	5
DGT6005	Thesis Study (Thesis Proposal)	0	1	0	2	3	3	2	4	4	4	5	3
DGT6007	Thesis	0	1	0	30	5	5	4	4	4	3	3	5
DGT6009	Seminar	0	2	0	6	5	5	4	4	4	3	3	5
DGT8001	Computer Aided Statistical Analysis-1	3	0	3	8	5	5	4	4	4	3	3	5
DGT8003	Principles of Crop Production	3	0	3	8	2	2	2	2	5	4	1	2
DGT6101	Experimental Design in Agriculture	3	0	3	8	3	3	2	4	4	2	3	2
DGT6103	Watering Greenhouse Plants	3	0	3	8	3	4	4	4	4	2	3	2
DGT6105	Spectral Imaging and Analysis	3	0	3	8	3	3	5	2	3	2	3	3
DGT6107	GIS Technologies in Digital Agriculture	3	0	3	8	2	4	4	3	3	2	3	3
DGT6109	Climate-Smart Agriculture	3	0	3	8	2	4	4	3	4	2	3	2
DGT6111	Fundamentals of Image Processing in Agriculture	3	0	3	8	2	4	3	3	5	2	3	3
DGT6113	Data Analysis with R	3	0	3	8	2	4	4	3	3	2	3	2

DGT6115	Basic Data Programming with Python	3	0	3	8	2	4	4	3	3	2	3	3
DGT6117	Automation in Environmental Control of Poultry Houses	3	0	3	8	2	4	5	3	3	2	3	3
DGT6119	Advanced Agricultural Meteorology	3	0	3	8	2	4	5	4	3	2	3	2
DGT6121	Food Toxicology and Food Additives	3	0	3	8	2	4	4	3	3	2	3	3
DGT6123	Mathematical Models	3	0	3	8	2	3	4	4	4	2	3	3
DGT6125	Artificial Intelligence Applications in Microbiology	3	0	3	8	3	3	4	3	3	2	3	3
1. Year – Spring Semester													
DGT6002	Special Topics	5	0	0	2	4	3	4	4	2	3	3	5
DGT6004	Thesis Study (Thesis Proposal)	0	1	0	2	3	3	3	4	2	2	4	5
DGT6006	Thesis	0	1	0	30	3	3	2	4	4	4	5	3
DGT6008	Seminar	0	2	0	6	5	5	4	4	4	3	3	5
DGT8002	Computer Aided Statistical Analysis-2	3	0	3	8	5	5	4	4	4	3	3	5
DGT8004	Principles of Livestock Production	3	0	3	8	5	5	4	4	4	3	3	5
DGT6102	Optimization Applications in the Processing of Agricultural Products	3	0	3	8	2	2	2	2	5	4	1	2
DGT6104	Element of Water in Natural and Cultural Landscape	3	0	3	8	3	3	2	4	4	2	3	2
DGT6106	Digital packaging technologies	3	0	3	8	3	4	4	4	4	2	3	2

DGT6108	Internet of Things (IoT) for Precision Agriculture Technology	3	0	3	8	3	3	5	2	3	2	3	3
DGT6110	Advanced Techniques in Land Consolidation	3	0	3	8	2	4	4	3	3	2	3	3
DGT6112	Hydroponic Plant Production	3	0	3	8	2	4	4	3	4	2	3	2
DGT6114	Advanced Data Analysis with R	3	0	3	8	2	4	3	3	5	2	3	3
DGT6116	Advanced Data Programming with Python	3	0	3	8	2	4	4	3	3	2	3	2
DGT6118	Automation in Poultry Farming	3	0	3	8	2	4	4	3	3	2	3	3
DGT6120	Planning of Irrigation Systems	3	0	3	8	2	4	5	3	3	2	3	3
DGT6122	Seafood Byproduct Processing Technologies	3	0	3	8	2	4	5	4	3	2	3	2
DGT6124	Numerical Modeling in Agriculture	3	0	3	8	2	4	4	3	3	2	3	3
DGT6126	Environmental Technologies in Agriculture	3	0	3	8	2	3	4	4	4	2	3	3