



١٧. Appendix ١. List of Courses of Agribusiness Program

Level ١ Semester ١ : Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
AC ٠٩٠١	Chemistry ١ (Organic and Inorganic)	٢	٢	٢	
AB ٠٨٠١	Botany	٢	٢	٢	
PP ٠٤٠١	Zoology	٢	٢	٢	
AE ١١٠٢	Biomathematics	٢	٢	٢	
CJ ١٢٠١	English ١	٢	٢	٠	
Optional Courses (Selective)					
EE ٠٦٠٦	Production and Consumption Economics	٢	٢	٢	
EE ٠٦٠٧	Social and Rural Society	٢	٢	٢	
CJ ١٢٠٣	Computer Science	٢	٢	٢	
SO ٠٥٠٢	Bio-Physics	٢	٢	٢	
The student registers all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils(SO)-Agric. Chemistry(AC)-Animal Production(AP)-Plant Protection(PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics(EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-Common/Joint (CJ)}					



Appendix ١. (Continued)

Level ١ Semester ٢ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
HO ٠٢٠١	Horticulture ١ (Fundamentals)	٢	٢	٢	AB ٠٨٠١
EE ٠٦٠١	Statistics	٢	٢	٢	AE ١١٠٢
SO ٠٥٠١	Soil and Water Science	٢	٢	٢	AC ٠٩٠١
AG ٠١٠١	Agronomy ١ (Fundamentals)	٢	٢	٢	AB ٠٨٠١
Optional Courses (Selective)					
AB ٠٨٠٦	Plant Physiology	٢	٢	٢	AB ٠٨٠١
AE ١١٠٣	Biosystem Modeling & Simulation	٢	٢	٢	AE ١١٠٢
EE ٠٦٠٨	Economic Resources	٢	٢	٢	EE ٠٦٠١
EE ٠٦١٤	Economic and Social Statistics	٢	٢	٢	AE ١١٠٢
The student studies all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)- Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)}					



Appendix ١. (Continued)

Level ٢ Semester ١ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
AC ٠٩٠٢	Chemistry ٢ (Biochemistry)	٢	٢	٢	AC ٠٩٠١
AE ١١٠١	Agricultural Engineering (Fundamentals)	٣	٢	٢	AE ١١٠٢
EE ٠٦٠٢	Agricultural Economics	٣	٢	٢	EE ٠٦٠١
FS ٠٧٠١	Food & Dairy Science (Fundamentals)	٣	٢	٢	CJ ١٢٠١ or AC ٠٩٠١
CJ ١٢٠٢	English ٢	٢	٢	٠	CJ ١٢٠١
Optional Courses (Selective)					
HO ٠٢٠٩	Horticultural Crop Production	٣	٢	٢	HO ٠٢٠١
AE ١١٠٨	Farm Mechanization	٣	٢	٢	AE ١١٠١
SO ٠٥٠٤	Bio-organic Fertilization	٣	٢	٢	SO ٠٥٠١
AG ٠١٠٧	Crop Rotation and Intensification	٣	٢	٢	AG ٠١٠١
The student studies all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-					



Appendix ١. (Continued)

Level ٢ Semester ٢ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
AB ٠٨٠٣	Agricultural Microbiology	٣	٢	٢	AB ٠٨٠١
GE ١٠٠١	Genetics ١ (Fundamentals)	٣	٢	٢	AE ١١٠٢
AP ٠٣٠١	Animal Production ١ (Physiology)	٣	٢	٢	PP ٠٤٠١
PP ٠٤٠٢	Entomology (General)	٣	٢	٢	PP ٠٤٠١
Optional Courses (Selective)					
EE ٠٦١٢	Labor Economics	٣	٢	٢	EE ٠٦٠٢
EE ٠٦١٦	Microeconomics	٣	٢	٢	EE ٠٦٠٢
AE ١١١٠	Irrigation Systems	٣	٢	٢	AE ١١٠١
EE ٠٦١٥	Economics of Water Resources	٣	٢	٢	EE ٠٦٠٢
AE ١١٠٩	Farm Buildings	٣	٢	٢	AE ١١٠١
The student studies all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-					



Appendix ١. (Continued)

Level ٢ Semester ١ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
AB ٠٨٠٧	Plant Pathology	٢	٢	٢	AB ٠٨٠٢
AP ٠٢٠٢	Animal Production ٧ (Dairy and Meat)	٢	٢	٢	EE ٠٦٠١
EE ٠٦١٧	Farm Management	٢	٢	٢	EE ٠٦٠٢
AP ٠٢٠٣	Animal Production ٧ (Poultry)	٢	٢	٢	AP ٠٢٠١
Optional Courses (Selective)					
EE ٠٦٢٠	Macroeconomics	٢	٢	٢	EE ٠٦٠٢
EE ٠٦١٩	Agricultural Finance	٢	٢	٢	EE ٠٦٠١
GE ١٠٠٨	Plant Breeding	٢	٢	٢	GE ١٠٠١
AE ١١٠٥	Aqua culture Engineering	٣	٢	٢	AE ١١٠٢
EE ٠٦٢٢	Agricultural policy and Regulations	٣	٢	٢	EE ٠٦٠٢
The student studies all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-					



Appendix ١. (Continued)

Level ٣ Semester ٢ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
EE ٠٦١٨	Production Economics	٢	٢	٢	EE ٠٦٠٢
PP ٠٤٠٣	Economic Entomology	٢	٢	٢	PP ٠٤٠٢
EE ٠٦٢١	Extension Programs	٢	٢	٢	EE ٠٦٠٧
FS ٠٧٢٥	Food Technology	٢	٢	٢	FS ٠٧٠١
Optional Courses (Selective)					
EE ٠٦٢٥	Electronic Marketing Extension	٢	٢	٢	CJ ١٢٠٣
AP ٠٣٠٤	Animal Production ζ (Fish)	٢	٢	٢	GE ١٠٠١
HO ٠٢١٠	Protected Vegetable Production	٢	٢	٢	HO ٠٢٠١
GE ١٠٠٧	Genetically Modified Food	٢	٢	٢	GE ١٠٠١
EE ٠٦١٣	Economics of Animal Production	٢	٢	٢	EE ٠٦٠١

The student studies all compulsory courses plus two optional courses of his/her choice in each semester.

Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-



Appendix ١. (Continued)

Level ٤ Semester ١ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
EE ٠٦٢٣	Agricultural Marketing	٢	٢	٢	EE ٠٦٠١
EE ٠٦٢٤	International Trade and Investment	٢	٢	٢	EE ٠٦١٨
AG ٠١٠٣	Agronomy ٣ (Crop Production)	٢	٢	٢	AG ٠١٠١
FS ٠٧٢٦	Dairy Technology	٢	٢	٢	FS ٠٧٠١
Optional Courses (Selective)					
AP ٠٣٠٧	Animal Genetic Improvement	٢	٢	٢	GE ١٠٠١
EE ٠٦٢٦	Economic Development	٢	٢	٢	EE ٠٦١٨
AB ٠٨١١	Post-harvest Diseases	٢	٢	٢	AB ٠٨٠٧
PP ٠٤٠٤	Integrated Pest Control	٢	٢	٢	PP ٠٤٠٢
AG ٠١٠٨	Forage Production & Pasture Management	٢	٢	٢	AG ٠١٠٣
The student studies all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-					



Appendix ١. (Continued)

Level ٤ Semester ٧ Agribusiness Program					
Compulsory Courses (Obligatory)					
Course Code	Course Name	Unit	Theoretical	Practical	Pre-requisite
EE ٠٦٢٧	Price Analysis	٣	٢	٢	EE ٠٦٢٢
EE ٠٦٠٥	Technology Transfer and Diffusion	٣	٢	٢	EE ٠٦٠١
SO ٠٥٠٦	Desert and Saline Land Bio-reclamation	٣	٢	٢	SO ٠٥٠١
CJ ١٢٠٨	Graduation Project	٣	٢	٢	
Optional Courses (Selective)					
EE ٠٦٢٨	Feasibility Studies & Project Evaluation	٣	٢	٢	EE ٠٦٢٣
EE ٠٦٢٩	Environmental Extension	٣	٢	٢	EE ٠٦٢١
EE ٠٦٣٠	Economics of Strategic Farm Products	٣	٢	٢	EE ٠٦٢٣
HO ٠٢٠٦	Horticulture ٦ (Post-Harvest Technology)	٣	٢	٢	HO ٠٢٠١
PP ٠٤١١	Honey Bees and Products	٣	٢	٢	PP ٠٤٠٢
The student studies all compulsory courses plus two optional courses of his/her choice in each semester.					
Department Codes: {Soils (SO)-Agric. Chemistry (AC)-Animal Production (AP)-Plant Protection (PP)-Agronomy (AG)-Horticulture (HO)-Agricultural Engineering (AE)-Economics (EE)-Food Science (FS)-Genetics (GE)-Agric. Botany (AB)-					