Academic Year 2014/2015			
AGRICULTURAL SCIENCES AND TECHNOLOGY			
Curriculum: Plant Productions			
Course	**Unit**	**Credits**	**Semester**
Mathematics	*Mathematics*	6	**First (Fall)**
Physics	*Physics*	6	**First (Fall)**
General and organic chemistry	*General and inorganic chemistry*	5	**First (Fall)**
	Organic chemistry	5	
General biology	*Plant physiology*	6	**First (Fall)**
	Agro-forestry zoology	4	**First (Fall)**
General botanics and plant diversity	*General botanics and plant diversity*	6	**Second (Spring)**
	Agricultural systematic botanics	2	**Second (Spring)**
Principles of economics, agricultural and forestry policies	*Principles of economics, agricultural and forestry policies*	8	
Foreign languages	*English*	3	**First (Fall)**
Computer skills	*Computer skills*	3	
(Optional course)		6	
General and agricultural microbiology	General and agricultural microbiology	8	
Agricultural genetics	Agricultural Genetics	4	**First (Fall)**
	Animal genetics	4	**First (Fall)**
Agronomy	Agronomy	8	**Second (Spring)**
	Crop science	4	**Second (Spring)**
Agricultural entomology	Agricultural entomology	8	**First (Fall)**
Plant pathology	Elements of plant pathology	4	**First (Fall)**
	Applied plant pathology	4	**First (Fall)**
Agricultural chemistry	Agricultural chemistry	8	**First (Fall)**
Biochemistry	Biochemistry of metabolism	6	**Second (Spring)**
(Optional course)		2	
Special zootechnics	Special zootechnics	6	**First (Fall)**
Energy engineering for agriculture	Agricultural mechanics	6	**First (Fall)**
	Alternative energies	4	**First (Fall)**
Rural construction and topography	Rural construction and topography	4	**Second (Spring)**

Economics and management of agricultural and forestry enterprises	Economics and management of agricultural and forestry enterprises	6	**Second (Spring)**
Arboriculture	Arboriculture	4	**First (Fall)**
Agricultural industry	Agricultural industry	8	**Second (Spring)**
(Optional course)		6	
Final essay		6	

Academic Year 2014/2015 **AGRICULTURAL SCIENCES AND TECHNOLOGY** *Curriculum: Animal Productions*			
Course	**Unit**	**Credits**	**Semester**
Mathematics	*Mathematics*	6	**First (Fall)**
Physics	*Physics*	6	**First (Fall)**
General and organic chemistry	*General and inorganic chemistry*	5	**First (Fall)**
	Organic chemistry	5	**Second (Spring)**
General biology	*Biochemistry*	6	**Second (Spring)**
	Agro-forestry zoology	4	**First (Fall)**
General botanics and plant diversity	*General botanics and plant diversity*	6	**Second (Spring)**
	Agricultural systematic botanics	2	**Second (Spring)**
Principles of economics, agricultural and forestry policies	*Principles of economics, agricultural and forestry policies*	8	**Second (Spring)**
Foreign languages	*English*	3	**First (Fall)**
Computer skills	*Computer skills*	3	
(Optional course)		6	
General and agricultural microbiology	*General and agricultural microbiology*	8	**Second (Spring)**
Agricultural genetics	*Agricultural Genetics*	4	**First (Fall)**
	Animal genetics	4	**First (Fall)**
Agronomy	*Agronomy*	8	**Second (Spring)**
	Crop science	4	**Second (Spring)**
Entomology and pathology	*Genral entomology*	6	**First (Fall)**
	Elements of plant pathology	4	**First (Fall)**
Infectious diseases	*Infectious diseases*	6	**Second (Spring)**

Animal physiology and anatomy	*Animal physiology and anatomy*	6	**First (Fall)**
Zooculture	*Zooculture*	8	**First (Fall)**
(Optional course)		2	
Special zootechnics	*Special zootechnics*	6	**First (Fall)**
Energy engineering for agriculture	*Agricultural mechanics*	6	**First (Fall)**
	Alternative energies	4	**First (Fall)**
Rural construction and topography	*Rural construction and topography*	4	**Second (Spring)**
Economics and management of agricultural and forestry enterprises	*Economics and management of agricultural and forestry enterprises*	6	**Second (Spring)**
Animal breeding	*Animal breeding*	6	**First (Fall)**
Agricultural industry	*Agricultural industry*	8	**Second (Spring)**
(Optional course)		4	
Final essay		6	

Academic Year 2014/2015 **AGRICULTURAL SCIENCES AND TECHNOLOGY** *List of optional courses available for both curricula*			
Course	**Unit**	**Credits**	**Semester**
Oenology	*Oenology*	4	**Second (Spring)**
Wine culture and olive culture	*Wine culture and olive culture*	4	**First (Fall)**
Wine microbiology	*Wine microbiology*	4	**First (Fall)**
Technology of fats	*Technology of fats*	4	**Second (Spring)**
Fish			
Feed manufacturing technologies	*Feed manufacturing technologies*	4	**First (Fall)**
Alimentary zoonosis	*Alimentary zoonosis*	4	**Second (Spring)**
Aquaculture	*Aquaculture*	4	**Second (Spring)**
Morphology of fish	*Morphology of fish*	4	**First (Fall)**

Meat			
Feed manufacturing technologies	*Feed manufacturing technologies*	4	**First (Fall)**
Alimentary zoonosis	*Alimentary zoonosis*	4	**Second (Spring)**
Preparation of cured meat	*Preparation of cured meat*	4	**First (Fall)**
Sensory and rheological analysis of meats	*Sensory and rheological analysis of meats*	4	**Second (Spring)**
Beekeeping and beehive products			
Beekeeping	*Beekeeping*	8	**Second (Spring)**
Bee flora and pollen analysis	*Bee flora and pollen analysis*	4	**Second (Spring)**
Evaluation and quality of beehive products	*Evaluation and quality of beehive products*	4	**First (Fall)**