

**Department of Agriculture**

**Undergraduate Studies**

S/N	COURSE TITLE	Course Status COMPULSORY (C) ELECTIVE (E)	Lecture	Practice	TOTAL	CREDITS ECTS
<b>1<sup>st</sup> SEMESTER</b>						
101	INTRODUCTION TO AGRICULTURAL SCIENCE	C	4		4	5
102	GENERAL AND INORGANIC CHEMISTRY	C	2	2	4	5
103	AGROMETEOROLOGY	C	2	2	4	5
104	PLANT MORPHOLOGY AND ANATOMY	C	3	2	5	5
105	AGRICULTURAL ENGINEERING	C	2	2	4	5
106	MATHEMATICAL METHODS IN AGRICULTURE I	C	4		4	5
<b>TOTAL</b>						<b>30</b>
<b>2<sup>nd</sup> SEMESTER</b>						
201	ORGANIC CHEMISTRY	C	2	2	4	5
202	MATHEMATICAL METHODS IN AGRICULTURE II	C	4		4	5
203	SYSTEMATIC BOTANY/ PLANT TAXONOMY	C	3	2	5	5
204	AGRICULTURAL ECONOMY	C	3		3	3
205	PLANT PHYSIOLOGY	C	3	2	5	5
206	SOIL SCIENCE	C	3	2	5	5
207	ENGLISH FOR AGRICULTURE	Y	3			2
<b>TOTAL</b>						<b>30</b>
<b>3<sup>rd</sup> SEMESTER</b>						
301	BIOCHEMISTRY	C	4		4	5
302	RURAL SOCIOLOGY	C	4		4	5
303	PLANT NUTRITION-FERTILIZATION	C	3	2	5	5
304	GENETICS	C	5		5	6
305	AGRICULTURAL HYDRAULICS	C	4		4	5
306	AGRICULTURAL POLICY	C	3		3	4
<b>TOTAL</b>						<b>30</b>
<b>4<sup>th</sup> SEMESTER</b>						
401	AGRICULTURAL CONSTRUCTIONS	C	4		4	5
402	MICROBIOLOGY	C	2	2	4	5
403	GENERAL PRINCIPLES OF CROP PRODUCTION	C	3	2	5	5
404	GENERAL POMOLOGY	C	3	2	5	5
405	FARM ECONOMICS	C	4		4	5

406	STATISTICS-AGRICULTURAL EXPERIMENTATIONS	C	4		4	5
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**TOTAL 30**

**5<sup>th</sup> SEMESTER**

501	AGRICULTURAL ENTOMOLOGY – ZOOLOGY	C	3	2	5	5
502	GENERAL PLANT PATHOLOGY	C	3	2	5	5
503	GENERAL FLORICULTURE	C	3	2	5	5
504	INTRODUCTION TO VEGETABLE PRODUCTION	C	3	2	5	5
505	POMOLOGY I (PERENNIAL CROP TREES)	C	3	2	5	5
506	PLANT BREEDING	C	3	2	5	5

**TOTAL 30**

**6<sup>th</sup> SEMESTER**

601	VITICULTURE	C	2	2	4	5
602	FRUITING VEGETABLES	C	3	2	5	5
603	CEREALS	C	3	2	5	5
604	POMOLOGY II (POME FRUITS)	C	3	2	5	5
605	PESTICIDE SCIENCE	C	3	2	5	5
606	AGRICULTURAL MACHINES	C	3	2	5	5

**TOTAL 30**

**7<sup>th</sup> SEMESTER**

701	ORNAMENTAL PLANTS	C	3	2	5	5
702	BULBOUS AND LEAFY VEGETABLES	C	3	2	5	5
703	OPERATING EQUIPMENT AND GREENHOUSE AUTOMATION	C	3	2	5	5
704	SOLANACEOUS AND LEGUME FIELD CROPS	C	3	2	5	5

**ELECTIVES (2 of the list):**

705	APPLIED PLANT PHYSIOLOGY	EC	3	2	5	5
706	SENSORY ANALYSIS OF OLIVE OIL	EC	3	2	5	5
707	ORGANIZATION AND MANAGEMENT OF AGRICULTURAL BUSINESS	EC	4		4	5
708	QUALITY SYSTEMS IN AGRICULTURE	EC	3	2	5	5
709	ANATOMY OF FARM ANIMALS	EC	3	2	5	5
7010	ECOLOGY AND BIODIVERSITY	EC	4		4	5

7011	IRRIGATION AND DRAINAGE	EC	3	2	5	5
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**TOTAL 30**

**8<sup>th</sup> SEMESTER**

801	ADVANCED PLANT PATHOLOGY	C	3	2	5	5
802	PLANT BIOTECHNOLOGY	C	3	2	5	5
803	MARKETING OF AGRICULTURAL PRODUCTS AND FOODS	C	4		4	5
804	FRUIT TREES AND VINEYARD SPECIALIZED ENTOMOLOGY	C	3	2	5	5

**ELECTIVES (2 of the list):**

805	ANIMAL ENEMIES OF STORED AGRICULTURAL PRODUCTS AND FOODS	EC	3	2	5	5
806	LANDSCAPE ARCHITECTURE	EC	3	2	5	5
807	PROPAGATION OF FRUIT TREES AND FLOWER CROPS	EC	3	2	5	5
808	HYDROPONICS	EC	3	2	5	5
809	ANIMAL HUSBANDRY – FARM ANIMAL NUTRITION	EC	4		4	5
8010	AROMATIC, MEDICINAL AND INDUSTRIAL CROPS	EC	3	2	5	5
8011	PRODUCTION OF FLORICULTURAL PLANTS	EC	3	2	5	5
8012	RENEWABLE ENERGY SOURCES	EC	3	2	5	5
8013	GEOGRAPHIC INFORMATION SYSTEMS-GIS	EC	3	2	5	5

**TOTAL 30**

**9<sup>th</sup> SEMESTER**

901	HORTICULTURAL FLORICULTURAL AND VEGETABLE PLANTS SPECIALIZED ENTOMOLOGY	C	3	2	5	5
902	POSTHARVEST TECHNOLOGY OF AGRICULTURAL PRODUCTS	C	3	2	5	5
903	PRECISION AGRICULTURE	C	3	2	5	5
	THESIS					10

**ELECTIVES (1 of the list):**

904	POMOLOGY III (NUTS, MASTIC TREE OF CHIOS, TROPICAL CROPS)	C	3	2	5	5
905	PLANTING MATERIAL PRODUCTION TECHNOLOGY OF FIELD CROPS AND VEGETABLES	EC	3	2	5	5
906	ESTIMATION OF LOSSES IN AGRICULTURAL PRODUCTION AND FIXED CAPITAL	EC	3	2	5	5
907	BENEFICIAL AND PRODUCTIVE INSECTS	EC	3		3	5
908	IMPROVEMENT TECHNIQUES AND MANAGEMENT OF PROBLEMATIC SOILS	EC	4		4	5

**TOTAL 30**

<b>10<sup>th</sup> SEMESTER</b>						
	<b>INTERNSHIP</b>					10
	<b>THESIS</b>					20
<b>TOTAL</b>						<b>30</b>