



5.5 Distribution of Courses According to Study Levels

First Level - First Semester

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
FAC- 10027	Mathematics	1	2	3	2
FAC- 10011	Agricultural Zoology	2	2	4	3
FAC- 10012	Agricultural Botany	2	2	4	3
FAC- 10013	Organic and Inorganic Chemistry	2	2	4	3
FAC- 10014	Physics and Meteorology	2	2	4	3
UNI- 10001	General English (University compulsory requirement)	1	-	1	1
Table (11)	Elective Course (1) (University elective requirement)	2	-	2	2
Total		12	10	22	17

First Level - Second Semester

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
FAC- 10015	Principles of Horticulture	2	2	4	3
FAC- 10016	Economic Theory and Rural Society	2	-	2	2
FAC- 10017	Principles of Field Crops	2	2	4	3
FAC- 10018	Principles of Agricultural Microbiology	2	2	4	3
ABSE- 10041	Principles of Agricultural and Biosystems Engineering	1	2	3	2
ENG- 10033	Engineering Drawing	2	2	4	3
UNI- 10002	Professional Ethics (University compulsory requirement)	1	-	1	1
Table (11)	Elective Course (2) (University elective requirement)	2	-	2	2
Total		14	10	24	19

**Second Level-First Semester**

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
FAC- 20019	Principles of Soil and Water Science	2	2	4	3
FAC- 20020	Biostatistics	1	2	3	2
FAC- 20021	Principles of Plant Protection	2	2	4	3
FAC- 20022	Principles of Animal and Poultry Production	2	2	4	3
FAC- 20028	Applied Mathematics	1	2	3	2
ENG- 20034	Surveying	1	2	3	2
UNI- 20003	Information Technology & Communications (University Compulsory Requirement)	1	-	1	1
Table (13)	Elective Course (Faculty elective requirement)	1	2	3	2
Total		11	14	25	18

Second Level-Second Semester

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
FAC- 20023	Principles of Food and Dairy Sciences	2	2	4	3
FAC- 20024	Remote Sensing	2	2	4	3
FAC- 20025	Principles of Plant Diseases	2	2	4	3
FAC- 20026	Biotechnology and Bioinformatics	1	2	3	2
ENG- 20035	Thermodynamics	1	2	3	2
ENG- 20036	Mechanics (Static and Dynamics)	1	2	3	2
Table (13)	Elective Course (Faculty elective requirement)	1	2	3	2
Total		10	14	24	17

**Third Level-First Semester**

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
ENG- 30037	Hydraulics and Fluid Mechanics	1	2	3	2
ENG- 30038	Heat and Mass Transfer	1	2	3	2
ENG- 30039	Theory of Machines	1	2	3	2
ENG- 30040	Theory of Structures	1	2	3	2
UNI- 30004	Societal Issues (University Compulsory Requirement)	1	-	1	1
Table (16)	Elective Course (1) (Program elective requirement from the specialist)	1	2	3	2
Table (16)	Elective Course (2) (Program elective requirement from the specialist)	1	2	3	2
Table (18)	Elective Course (3) (Program elective requirement from outside the specialist)	1	2	3	2
Total		8	14	22	15

Third Level-Second Semester

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
ABSE- 30042	Agricultural and Biosystems Analysis	1	2	3	2
ABSE- 30043	Renewable and Sustainable Energy	1	2	3	2
ABSE- 30044	Farm Tractors	2	2	4	3
ABSE- 30045	Irrigation and Drainage Engineering	1	2	3	2
ABSE- 30046	Field Training (1)	-	8	8	2
Table (16)	Elective Course (1) (Program elective requirement from the specialist)	1	2	3	2
Table (16)	Elective Course (2) (Program elective requirement from the specialist)	1	2	3	2
Table (18)	Elective Course (3) (Program elective requirement from outside the specialist)	1	2	3	2
Total		8	22	30	17

**Fourth Level-First Semester**

Course Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
ABSE- 30047	Planning and Design of Farm Structures	1	2	3	2
ABSE- 30048	Farm Machinery	2	2	4	3
ABSE- 30049	Aquaculture Engineering	1	2	3	2
ABSE- 30050	Protected Agriculture Engineering	1	2	3	2
ABSE- 30051	Research and Seminar	1	2	3	2
ABSE- 30052	Field Training (2)	-	8	8	2
Table (17)	Elective Course (1) (Program elective requirement from the specialist)	1	2	3	2
Table (17)	Elective Course (2) (Program elective requirement from the specialist)	1	2	3	2
Table (19)	Elective Course (3) (Program elective requirement from outside the specialist)	1	2	3	2
Total		9	24	33	19

Fourth Level-Second Semester

Co. Code	Course Name	Theoretical	Practical	Contact hours	Credit hours
ABSE- 30053	Food Process Engineering	1	2	3	2
ABSE- 30054	Environmental Control	1	2	3	2
ABSE- 30055	Design of Agricultural Machines	2	2	4	3
ABSE- 30056	On-Farm Irrigation Systems Design	1	2	3	2
ABSE- 30057	Graduation Project	1	4	5	3
Table (17)	Elective Course (1) (Program elective requirement from the specialist)	1	2	3	2
Table (17)	Elective Course (2) (Program elective requirement from the specialist)	1	2	3	2
Table (19)	Elective Course (3) (Program elective requirement from outside the specialist)	1	2	3	2
Total		9	18	27	18