

COURSE CATALOGUE 2013-2016

Field: Agriculture

Programme: **Field Crops**

Length of studies: **4years (8semesters)**

Number of ECTS Credits: **240 +30 for the B.A. Thesis**

Languages of teaching: **Turkish**

Form of education: **Full-time**

Programme description:

The programme covers the following educational route:

1st year, 1st semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
AİT1101	PRINCIPLES OF ATATÜRK AND MODERN TURKISH HISTORY	Compulsory, 56	4
BiY1101	BOTANY	Compulsory, 56	5
FİZ1101	PHYSICS	Compulsory, 56	4
KİM1101	CHEMISTRY	Compulsory, 56	5
MAT1101	MATHEMATICS	Compulsory, 42	4
TRD1101	TURKISH LANGUAGE	Compulsory, 56	4
YDİ1101	FOREIGN LANGUAGE	Compulsory, 56	4

1st year, 2nd semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
BiY1202	ZOOLOGY	Compulsory, 42	5
ENF1204	BASIC INFORMATION TECHNOLOGY	Compulsory, 56	5
TAB1202	AGRICULTURAL ECOLOGY	Compulsory, 28	4
TAB1204	INTRODUCTION TO FIELD CROPS	Compulsory, 56	5
TEK1202	OVERALL ECONOMY	Compulsory, 42	3
TEK1204	AGRICULTURAL EXTENSION AND COMMUNICATION	Compulsory, 28	3
ZF1204	PLANT BIOCHEMISTRY	Compulsory, 42	5

2nd Year - 1st semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
BBB2301	HORTICULTURE	Compulsory, 56	5
TBB2301	EARTH SCIENCE	Compulsory, 56	5
ZF2301	AGRICULTURE AND DEONTOLOGY	Compulsory, 28	2
ZTN2301	ANIMAL BREEDING	Compulsory, 56	5
ZTN2303	STATISTICS	Compulsory, 56	5
[G] SEÇ2301	ELECTIVE COURSE - Elective 5	Elective, 28	3
[G] SEÇ2303	FACULTY ELECTIVE - Elective 3	Elective, 28	3

EFFECTIVE COURSES

BYS2301	CULTURE TECHNIQUES OF CROPS IRRIGATION	2+0	Elective	3	SEÇ2303
BYS2303	IRRIGATION AND ENVIRONMENTAL RELATIONS	2+0	Elective	3	SEÇ2303
BYS2305	AGRICULTURAL WASTE MANAGEMENT	2+0	Elective	3	SEÇ2303
TAB2301	PLANT REPRODUCTION TECHNIQUES	1+2	Elective	5	SEÇ2301
TAB2303	PRESENTATION TECHNIQUES	1+2	Elective	5	SEÇ2301
TAB2305	AGRICULTURE FIELD	2+0	Elective	5	SEÇ2301

2nd Year – 2nd semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
BKB2402	PLANT PROTECTION	Compulsory, 56	5
BYS2402	AGRICULTURAL MECHANISATION	Compulsory, 56	5
YS2404	AGRICULTURAL STRUCTURES AND IRRIGATION	Compulsory, 56	5
TAB24004	PLANT PHYSIOLOGY	Compulsory, 56	5
TAB2402	PLANT BIOTECHNOLOGY	Compulsory, 56	5
ZF2402	GENETICS	Compulsory, 42	5

3rd Year - 1st semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
TAB3501	PLANT BREEDING	Compulsory, 56	4
TAB3503	PROFESSIONAL PRACTICE I	Compulsory, 56	2
TAB3505	COOL SEASON CEREALS	Compulsory, 56	4
TAB3507	SEED SCIENCE AND TECHNOLOGY	Compulsory, 56	4
TAB3509	FEED CROPS I	Compulsory, 42	4
SEÇ3501	ELECTIVE COURSE - Elective 4	Elective,	4
[G] SEÇ3503	FACULTY ELECTIVE 1 - Elective 4	Elective,	4
[G] SEÇ3505	FACULTY ELECTIVE 2 - Elective 4	Elective,	4

EFFECTIVE COURSES

BBB3501	VEGETABLE GROWING TECHNIQUES	2+2	Elective	4	SEÇ3505
BBB3503	FOLIAGE PLANTS GROWING TECHNIQUES	2+2	Elective	4	SEÇ3505
BBB3505	CROP STANDARDIZATION IN FIELD CROPS	2+2	Elective	4	SEÇ3505
BKB3501	PASTURE AND FORAGE CROPS DISEASES AND PESTS	2+2	Elective	4	SEÇ3505
BKB3503	AFTER HARVEST DISEASES AND PESTS	2+2	Elective	4	SEÇ3505
BKB3505	CEREALS AND PULSES DISEASES AND	2+2	Elective	4	SEÇ3505

	PESTS				
BYS3501	AGRICULTURAL ENGINEERING ENVIRONMENT	3+0	Elective	4	SEÇ3503
STB3501	FOOD LEGISLATION AND QUALITY CONTROL	3+0	Elective	4	SEÇ3503
TAB3511	EXPERIMENTAL DESIGNS IN FIELD CROPS	1+2	Elective	4	SEÇ3501
TAB3513	PRODUCT STANDARDIZATION IN FIELD CROPS	2+0	Elective	4	SEÇ3501
TAB3515	SEED PHYSIOLOGY	2+0	Elective	4	SEÇ3501
TBB3501	SOIL AND WATER MANAGEMENT	2+2	Elective	4	SEÇ3505
TBB3503	SOIL FERTILITY AND FERTILIZERS	2+2	Elective	4	SEÇ3505
TBB3505	SOIL BIODIVERSITY	2+2	Elective	4	SEÇ3505
TEK3501	ENVIRONMENTAL ECONOMICS	3+0	Elective	4	SEÇ3503
ZF3501	NUTRITION AND HEALTH	3+0	Elective	4	SEÇ3503
ZF3503	PROJECT PREPARATION AND EVALUATION	2+2	Elective	4	SEÇ3505
ZTN3501	BREEDING POULTRY	2+2	Elective	4	SEÇ3505
ZTN3503	SMALL ANIMAL BREEDING	2+2	Elective	4	SEÇ3505
ZTN3505	FEED AND ANIMAL FEEDING	2+2	Elective	4	SEÇ3505

3rd Year – 2nd semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
TAB3602	FIBER PLANTS	Compulsory, 56	4
TAB304	PROFESSIONAL PRACTICE-II	Compulsory, 56	2
TAB3606	WARM SEASON CEREALS 2	Compulsory, 56	4
TAB3608	INTERNSHIP	Compulsory, 0	6
TAB3610	FEED CROPS II	Compulsory, 42	3
G] SEÇ3602	ELECTIVE COURSE - Elective 3	Elective,	3
[G] SEÇ3604	FACULTY ELECTIVE 1 - Elective 4	Elective,	4
[G] SEÇ3606	FACULTY ELECTIVE 2 - Elective 4	Elective,	4

EFFECTIVE COURSES

BBB3602	VINEYARD GROWING TECHNIQUES	2+2	Elective	4	SEÇ3604
BBB3604	FRUIT GROWING TECHNIQUES	2+2	Elective	4	SEÇ3604
BBB3606	PROTECTED GROWING TECHNIQUES	2+2	Elective	4	SEÇ3604
BKB3602	INDUSTRIAL PLANT DISEASES AND LOSSES	2+2	Elective	4	SEÇ3604
BKB3604	FRUIT, VINES DISEASES AND PESTS	2+2	Elective	4	SEÇ3604
BTK3606	DISEASES AND PESTS OF VEGETABLES	2+2	Elective	4	SEÇ3604
BYS3602	PRECISION FARMING TECHNOLOGIES	2+2	Elective	4	SEÇ3604
BYS3604	RENEWABLE ENERGY SOURCES	2+2	Elective	4	SEÇ3604
STB3602	FOOD TOXICOLOGY	3+0	Elective	4	SEÇ3606
STB3604	HYGIENE AND SANITATION	3+0	Elective	4	SEÇ3606

STB3606	AGRICULTURAL PRODUCTS TECHNOLOGY	3+0	Elective	3	SEÇ3606
TAB3612	PLANT GENETIC RESOURCES	3+0	Elective	3	SEÇ3602
TAB3614	FIELD CROPS CROP PHYSIOLOGY	3+0	Elective	3	SEÇ3602
TAB3616	STRESSES MANAGEMENT OF FIELD CROPS	3+0	Elective	4	SEÇ3602
TBB3602	PLANT NUTRITION	2+2	Elective	4	SEÇ3604
TBB3604	FERTILIZERS AND FERTILIZATION TECHNIQUES	2+2	Elective	4	SEÇ3604
TBB3606	GEOGRAPHICAL INFORMATION SYSTEMS IN AGRICULTURE	2+2	Elective	4	SEÇ3604
TEK3602	BRANDS, PATENTS AND INTELLECTUAL PROPERTY RIGHTS	3+0	Elective	4	SEÇ3606
TEK3604	AGRICULTURAL ECONOMICS AND MANAGEMENT	2+2	Elective	4	SEÇ3604
TEK3606	FARM APPRAISAL	2+2	Elective	4	SEÇ3604
ZTN3602	BEEKEEPING AND SILK BREEDING	2+2	Elective	4	SEÇ3604
ZTN3604	ANIMAL BREEDING CATTLE	2+2	Elective	4	SEÇ3604
ZTN3606	ANIMAL BIOTECHNOLOGY APPLICATIONS	2+2	Elective	4	SEÇ3604

4th Year – 1st semester (14weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
TAB4701	MEADOW AND PASTURE USE	Compulsory, 42	5
TAB4703	GRADUATE STUDIES-I	Compulsory, 28	4
TAB4705	STARCH AND SUGAR PLANTS	Compulsory, 56	6
[G]OSD4701	UNIVERSITY ELECTIVE COURSE - Elective 3	Elective	3
[G] SEÇ4701	ELECTIVES (2 COURSE WILL BE CHOSEN) - Elective 8	Elective	8
[G] SEÇ4703	ELECTIVE COURSE - Elective 4	Elective	4

EFFECTIVE COURSES

TAB4707	ROTATION SYSTEMS	2+2	Elective	4	SEÇ4701
TAB4709	BUSINESS ENGLISH I	2+2	Elective	4	SEÇ4701
TAB4711	FIELD PLANT BREEDING	2+2	Elective	4	SEÇ4703
TAB4713	SEED PRODUCTION TECHNIQUES IN THE FIELD CROPS	2+2	Elective	4	SEÇ4703
TAB4715	GREEN FIELD PLANT	2+2	Elective	4	SEÇ4701

4th Year – 2st semester (14 weeks)

Code	Courses	Type of course, tuition hours/semester	Credits
TAB4802	MEADOW PASTURE IMPROVEMENT	Compulsory, 56	4
TAB4804	GRADUATION WORK II	Compulsory, 28	4
TAB4806	EDIBLE BEANS	Compulsory, 56	5
TAB4808	MEDICAL AND AROMATIC PLANTS	Compulsory, 56	5
TAB4810	OIL PLANTS	Compulsory, 56	5
[G] OSD4802	UNIVERSITY ELECTIVE COURSE - Elective 3	Elective	3
[G] SEÇ4802	ELECTIVE COURSE - Elective 4	Elective	4

EFFECTIVE COURSES

TAB4812	PLEASURE OF PLANTS	2+2	Elective	4	SEÇ4802
TAB4814	ECHNICAL ENGLISH II	3+0	Elective	4	SEÇ4802
TAB4816	ORGANIC AND SUSTAINABLE AGRICULTURE,	3+0	Elective	4	SEÇ4802

General competences:

- the practical application of the knowledge acquired through study in view of professional training;
- social and professional autonomy and responsibility;
- the interdisciplinary study and research, the proper use of concepts from the main field and from connected fields;
- communication for study and research, including one or two widely spoken languages;
- using the computer and the information resources provided by the Internet.

Specific competences:

- discovering and using the bibliographical and archive resources specific to the specialization;
- realizing a coherent historiographical discourse with pedagogical or scientific aim;
- abiding by ethical norms when collecting or using any kind of information;
- participating in research projects within the specialization;
- applying the study and research results to different areas of activity: education, archive science, political and administrative sciences, mass-media, tourism etc.