

Agricultural Machinery and Technologies Engineering

1st Semester			
Course Code	Course Name	AKTS	T + P
MATH 1131	CALCULUS I	7	3+2
SOFL 1101	ENGLISH FOR ACADEMIC PURPOSES I	4	3+0
CHEM 1110	CHEMISTRY	6	2+2
FAST 1120	BIOLOGY	6	2+2
MIS 1110	INTRODUCTION TO INTERNET OF THINGS (IOTs)	3	3+0
TURK 1110	TURKISH I	2	2+0
HIST 1110	ATATURK'S PRINCIPLES AND HISTORY OF REFORMS I	2	2+0
Total		30	20
2nd Semester			
Course Code	Course Name	AKTS	T + P
MAT 1132	CALCULUS II	7	3+2
SOFL 1102	ENGLISH FOR ACADEMIC PURPOSES II	4	3+0
CHEM 1111	ORGANIC CHEMISTRY	6	2+2
FAST 1010	INTRODUCTION TO AGRICULTURE SCIENCE AND TECHNOLOGY	4	4+0
FAST 1020	INTRODUCTION TO AGRIBUSINESS	2	2+0
FAST 1030	INTRODUCTION TO ECOLOGY	2	2+0
UFND 7020	SOCIAL RESPONSIBILITY	1	0+2
TURK 1210	TURKISH II	2	2+0
HIST 1210	ATATURK'S PRINCIPLES AND HISTORY OF REFORMS II	2	2+0
Total		30	23
3rd Semester			
Course Code	Course Name	AKTS	T + P
EEE 2280	ELECTRIC CIRCUITS AND SYSTEMS	7	3+2
AGTE 3301	INTRO TO AGRICULTURAL MACHINERY	7	3+2
AGEA 2201	ECONOMICS OF AGRIBUSINESS	5	2+0
XXXX	UNIVERSITY ELECTIVE	5	X+X
ENGR 2110	INTR. TO COMPUTER AIDED MODELLING	6	2+2
Total		30	15
4th Semester			
Course Code	Course Name	AKTS	T + P
ESE 2501	MEASUREMENT TECHNIQUES AND INSTRUMENTATION	5	2+2
ME 2310	THERMODYNAMICS	7	3+2
FAST XXXX	FACULTY ELECTIVE	6	2+2
AGTE XXX	DEPARTMENT ELECTIVE	6	2+2
ME 1222	ENGINEERING MECHANICS I	6	2+2
Total		30	16

5th Semester			
Course Code	Course Name	AKTS	T + P
EEE 3716	FEEDBACK SYSTEMS	7	3+2
AGTE 3305	IOTs APPLICATIONS IN AGRICULTURE	5	3+0
AGTE XXXX	DEPARTMENT ELECTIVE	6	3+0
AGTE XXXX	DEPARTMENT ELECTIVE	6	3+0
FAST XXXX	FACULTY ELECTIVE	6	2+2
Total		30	16
6th Semester			
Course Code	Course Name	AKTS	T + P
AGTE 3302	CONVENTIONAL AGRICULTURAL MACHINERY DESIGN	6	2+2
AGTE XXXX	DEPARTMENT ELECTIVE	6	2+2
AGTE XXXX	DEPARTMENT ELECTIVE	6	2+2
AGTE XXXX	DEPARTMENT ELECTIVE	6	2+2
FAST XXXX	FACULTY ELECTIVE	6	2+2
Total		30	16
7th Semester			
Course Code	Course Name	AKTS	T + P
FAST 4490	INTERNSHIP I (*)	8	0+6
FAST 4495	SENIOR PROJECT I (*)	8	0+6
ENGR 3450	PROJECT MANAGEMENT	5	3+0
FAST 4411	AGRICULTURE 4.0 CONCEPTS	3	3+0
UFND 6120	ENTREPRENEURSHIP AND BUSSINESS PLANNING	2	2+0
UFND 5020	ETHICS CULTURE	2	2+0
ISG 9110	OCCUPATIONAL HEALTH AND SAFETY I	2	2+0
(*) Part of the Co-op programme			
Total		30	18
8th Semester			
Course Code	Course Name	AKTS	T + P
FAST 4491	INTERNSHIP II (*)	8	0+6
FAST 4496	SENIOR PROJECT II (*)	8	0+6
ISG 9120	OCCUPATIONAL HEALTH AND SAFETY II	2	2+0
UFND 2020	RESEARCH CULTURE	2	2+0
FAST 4412	AGRICULTURE 4.0 TECHNOLOGY IMPLEMENTATION (*)	10	2+4
(*) Part of the Co-Op programme			
Total		30	13
DEPARTMENT ELECTIVES			
Course Code	Course Name	AKTS	T + P
AGTE 3311	FUNCTIONAL ANALYSIS OF SOIL, CROP, AND MACHINE SYSTEMS	6	2+2
AGTE 3312	AGRI-INDUSTRIAL APPLICATIONS OF ELECTRIC POWER AND ELECTRONICS	6	2+2
AGTE 3313	ELECTRONIC SYSTEMS INTEGRATION FOR AGRICULTURAL MACHINERY	6	2+2
AGTE 3315	AGRICULTURAL MACHINERY AND TRACTORS	6	2+2
AGTE 3317	INSTRUMENTATION FOR AGRICULTURAL AND BIOSYSTEMS ENGINEERING	6	2+2
AGTE 3318	COMPUTER-AIDED DESIGN IN AGRICULTURE	6	2+2
AGTE 3319	SMALL POWER EQUIPMENT	6	2+2
AGTE 3321	FRUIT AND VEGETABLE TECHNOLOGY	6	2+2

AGTE 3331	MEAT AND MEAT PRODUCTS TECHNOLOGY	6	2+2
AGTE 3341	MILK AND MILK PRODUCTS TECHNOLOGY	6	2+2
AGTE 3351	AGRICULTURAL SPATIAL TECHNOLOGIES	6	2+2
AGTE 3361	GREENHOUSE STRUCTURES AND LANDSCAPING EQUIPMENT	6	2+2
AGTE 3371	IRRIGATION SYSTEM DESIGN FOR TURF-BASED SYSTEMS	6	2+2
AGEA 3371	DATA ANALYSIS FOR THE AGRI-FOOD SYSTEM	6	2+2
IE 4444	HUMAN FACTORS ENGINEERING	6	3+0
ME 2212	MECHANICS OF MATERIALS	7	3+2
ME 3410	MECHANICAL COMPONENTS	6	2+2
FACULTY ELECTIVES			
Course Code	Course Name	AKTS	T + P
ASAT 2212	ANIMAL NUTRITION	6	2+2
ASAT 2222	AQUACULTURE NUTRITION	6	2+2
ASAT 3304	LIVESTOCK SCIENCE AND ANIMAL PRODUCTION	6	2+2
ASAT 3324	LIVESTOCK SCIENCE AND FISHERY	6	2+2
FAST 2231	FOOD LAW AND REGULATIONS	6	2+2
FAST 2251	FOOD MICROBIOLOGY	6	2+2
PSSC 3311	ENVIRONMENTAL PHYSIOLOGY	6	2+2
PSSC 3314	LAND USE AND FARM MANAGEMENT	6	2+2
PSSC 3316	AGRONOMY	6	2+2
AGTE 3321	FRUIT AND VEGETABLE TECHNOLOGY	6	2+2
AGTE 3331	MEAT AND MEAT PRODUCTS TECHNOLOGY	6	2+2
AGTE 3341	MILK AND MILK PRODUCTS TECHNOLOGY	6	2+2