

R E P U B L I C O F M A C E D O N I A
Ss. Cyril and Methodius University in Skopje



**STUDY PROGRAMME OF PROCESSING OF
AGRICULTURAL PRODUCTS AT FIRST CYCLE OF
UNIVERSITY STUDIES**

FACULTY OF AGRICULTURAL SCIENCES AND FOOD - SKOPJE

**РЕПУБЛИКА МАКЕДОНИЈА
УНИВЕРЗИТЕТ „СВ. КИРИЛ И МЕТОДИЈ“ ВО СКОПЈЕ
ФАКУЛТЕТ ЗА ЗЕМЈОДЕЛСКИ НАУКИ И ХРАНА-СКОПЈЕ**



**REPUBLIC OF MACEDONIA
Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE
FACULTY OF AGRICULTURAL SCIENCES AND FOOD-SKOPJE**

Skopje, July 2017

STUDY PROGRAMME – PROCESSING OF AGRICULTURAL PRODUCTS

FIRST SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Chemistry	3+2+2	6	Prof. Dr. Biljana Petanovska Ilievska Asst. Prof. Dr. Mirjana S. Jankulovska Asst. Prof. Dr. Lenche Markovska
2.	Processing Equipment	3+2+2	6	Prof. Dr. Ile Canev
3.	Microbiology	3+2+2	6	Prof. Dr. Olga Najdenovska
-elective courses (the student elcts two other courses from the FASF list of courses from the 1 st semester besides the course in Sport and Health)				
4.				
5.				
	Sport and Health (optional)	0+2	-	Faculty of Phisical Education, Sport and Health
	Total		30	

FASF list of elective courses for the 1st semester

Course	Lectures load	Number of ECTS	Lecturer
Principles of Livestock Production*	3+2+2	6	Prof. Dr. Sreten Andonov
Agricultural Machinery	3+2+2	6	Prof. Dr. Dragi Tanevski
Human Resource Development	3+2+2	6	Prof. Dr. Dragi Dimitrievski
Agrometeorology with Agroclimatology	3+2+2	6	Prof. Dr. Srebra Ilikj Popova
Statistics	3+2+2	6	Prof. Dr. Dragan Gjoshevski Asst. Prof. Dr. Ana Simonovska

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

SECOND SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Genetics	3+2+2	6	Prof. Dr. Sonja Ivanovska Prof. Dr. Mirjana Jankulovska
2.	Ecology	3+2+2	6	Prof. Dr. Elizabeta Angelova
3.	Botany*	3+2+2	6	Prof. Dr. Silvana Manasievska Simikj Prof. Dr. Elizabeta Miskoska Milevska
3.	Zoology**	3+2+2	6	Prof. Dr. Katerina Belicovska
-elective courses (the student elcts two other courses from the FASF list of courses from the 2 nd semester)				
4.			6	
5.			6	
Practical Education				
-	Practical Education	0+2	-	
	Total		30	

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

FASF list of elective courses for the 2nd semester

Course	Lectures load	Number of ECTS	Lecturer
Botany**	3+2+2	6	Prof. Dr. Silvana Manasievska Simikj Prof. Dr. Elizabeta Miskoska Milevska
Zoology*	3+2+2	6	Prof. Dr. Katerina Belichovska
Basics in Economics	3+2+2	6	Asst. Prof. Dr. Emelj Tuna
Management in Agriculture	3+2+2	6	Prof. Dr. Ana Kotevska
Agricultural Entrepreneurship	3+2+2	6	Prof. Dr. Mile Peshevski
Principles of Field Crop Production**	3+2+2	6	Prof. Dr. Zvonko Pacanoski

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

THIRD SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Biochemistry	3+2+2	6	Prof. Dr. Zoran Popovski
2.	Analytical Chemistry	3+2+2	6	Prof. Dr. Biljana Petanovska Ilievska Asst. Prof. Dr. Mirjana S. Jankulovska Asst. Prof. Dr. Lenche Markovska
3.	Pedology*	3+2+2	6	Prof. Dr. Tatjana Mitkova Asst. Prof. Mile Markoski
3.	Molecular Biology of Animal Cell**	3+2+2	6	Prof. Dr. Kocho Porchu Prof. Dr. Zoran Popovski
-elective courses (the student elects one course from the FASF list of courses from the 3 rd semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
	Total		30	

FASF list of elective courses for the 3rd semester

Course	Lectures load	Number of ECTS	Lecturer
Genetically Modified Organisms	3+2+2	6	Prof. Dr. Zoran Popovski
Pedology**	3+2+2	6	Prof. Dr. Tatjana Mitkova Asst. Prof. Mile Markoski
Molecular Biology of Animal Cell*	3+2+2	6	Prof. Dr. Kocho Porchu Prof. Dr. Zoran Popovski

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

FOURTH SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Quality of Tobacco Raw Material*	3+2+2	6	Asst. Dr. Romina Kabranova
1.	Feed technology**	3+2+2	6	Prof. Dr. Srechko Georgievski
2.	Introduction to Cereals*	3+2+2	6	Prof. Dr. Dane Boshev
2.	Anatomy and Physiology of Farm Animals**	3+2+2	6	Asst. Dr. Snezhana Trojachanec
3.	Honey Bee Products **	3+2+2	6	Prof. Dr. Hrisula Kiprijanovska Asst. Dr. Aleksandar Uzunov
-elective courses (the student elects one course from the FASF list of courses from the 4 th semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
Practical Education				
-	Practical Education	0+2		
	Total		30	

FASF list of elective courses for the 4th semester

Course	Lectures load	Number of ECTS	Lecturer
Honey Bee Products*	3+2+2	6	Prof. Dr. Hrisula Kiprijanovska Asst. Dr. Aleksandar Uzunov
Basics in Agromarketing	3+2+2	6	Prof. Dr. Nenad Georgiev Asst. Prof. Dr. Marina Nacka
Fishery	3+2+2	6	Prof. Dr. Katerina Belichovska
Basic Knowledge of Vegetables**	3+2+2	6	Prof. Dr. Gordana Popsimonova

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

FIFTH SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Knowledge of Grapes*	3+2+2	6	Prof. Dr. Krum Boshkov
1.	Cattle Production Technology**	3+2+2	6	Prof. Dr. Gjoko Bunevski
2.	Fruit Crops*	3+2+2	6	Prof. Dr. Tosho Arsov
2.	Poultry Production Technology**	3+2+2	6	Prof. Dr. Dragoslav Kocevski
3.	Industrial Crops*	3+2+2	6	Prof. Dr. Zoran Dimov
3.	Sheep and Goat Production Technology**			Prof. Dr. Kocho Porchu
-elective courses (the student elects one course from the FASF list of courses from the 5 th semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
	Total		30	

FASF list of elective courses for the 5th semester

Course	Lectures load	Number of ECTS	Lecturer
Biological Hazards in Food	3+2+2	6	Prof. Dr. Metodija Trajchev
Fodder Crops Production**	3+2+2	6	Prof. Dr. Tatjana Prentovikj
Knowledge of Grapes**	3+2+2	6	Prof. Dr. Zvonimir Bozhinovikj
Cattle Production Technology*	3+2+2	6	Prof. Dr. Gjoko Bunevski
Fruit Crops**	3+2+2	6	Prof. Dr. Toshov Arsov
Poultry Production Technology*	3+2+2	6	Prof. Dr. Dragoslav Kocevski
Industrial Crops**	3+2+2	6	Prof. Dr. Zoran Dimov
Sheep and Goat Production Technology*	3+2+2	6	Prof. Dr. Vladimir Dzabirski

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

SIXT SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Fruit Processing*	3+2+2	6	Prof. Dr. Ljubica Karakashova
1.	Pig Production Technologies**	3+2+2	6	Prof. Dr. Vlado Vukovikj
2.	Wheat and flour processing*	3+2+2	6	Prof. Dr. Dane Boshev
2.	Milk Technology**	3+2+2	6	Prof. Dr. Sonja Srbinovska Asst. Prof. Dr. Dushica Santa
3.	Vegetables Processing*	3+2+2	6	Prof. Dr. Ljubica Karakashova
3.	Meat technology**	3+2+2	6	Prof. Dr. Zlatko Pejkovski
-elective courses (the student elects one course from the FASF list of courses from the 6 th semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
Practical Education				
-	Practical Education	0+2		
	Total		30	

FASF list of elective courses for the 6th semester

Course	Lectures load	Number of ECTS	Lecturer
Fruit Processing**	3+2+2	6	Prof. Dr. Ljubica Karakashova
Pig Production Technologies*	3+2+2	6	Prof. Dr. Vlado Vukovikj
Wheat and flour processing**	3+2+2	6	Prof. Dr. Dane Boshev
Milk Technology*	3+2+2	6	Prof. Dr. Sonja Srbinovska Asst. Prof. Dr. Dushica Santa
Vegetables Processing**	3+2+2	6	Prof. Dr. Ljubica Karakashova
Meat technology*	3+2+2	6	Prof. Dr. Zlatko Pejkovski

* compulsory/elective courses for plant processing

** compulsory/elective courses for animal processing

SEVENTH SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Wine Technology*	3+2+2	6	Prof. Dr. Mihail Petkov
1.	Hygiene and Sanitation in Food Processing Industry**	3+2+2	6	Prof. Dr. Metodija Trajchev Asst. Dr. Dimitar Nakov
2.	Malt and Beer Production*	3+2+2	6	Prof. Dr. Dane Boshev
2.	Dairy Products**	3+2+2	6	Prof. Dr. Sonja Srbinovska Asst. Prof. Dr. Dushica Santa
3.	Non-Alcoholic Beverages Production*	3+2+2	6	Prof. Dr. Ljubica Karakashova
3.	Processed Meat Products	3+2+2	6	Prof. Dr. Zlatko Pejkovski
-elective courses (the student elects one course from the FASF list of courses from the 7 th semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
Practical Education				
-	Practical Education	0+2		
	Total		30	

FASF list of elective courses for the 7th semester

Course	Lectures load	Number of ECTS	Lecturer
Wine Technology**	3+2+2	6	Prof. Dr. Mihail Petkov
Hygiene and Sanitation in Food Processing Industry*	3+2+2	6	Prof. Dr. Metodija Trajchev Asst. Dr. Dimitar Nakov
Malt and Beer Production**	3+2+2	6	Prof. Dr. Dane Boshev
Dairy Products*	3+2+2	6	Prof. Dr. Sonja Srbinovska Asst. Prof. Dr. Dushica Santa
Non-Alcoholic Beverages Production**	3+2+2	6	Prof. Dr. Ljubica Karakashova
Processed Meat Products*	3+2+2	6	Prof. Dr. Zlatko Pejkovski
Harvesting and Post-Harvest Technologies of Fruits	3+2+2	6	Prof. Dr. Tosho Arsov
Harvesting and Post-Harvest Technologies of Vegetables and Flowers	3+2+2	6	Prof. Dr. Rukie Agich

* compulsory/elective courses for plant processing
** compulsory/elective courses for animal processing

EIGHT SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	Oil and sugar production*	4+2+2	6	Prof. Dr. Zoran Dimov Asst. Prof. Romina Kabranova
1.	Standards for Animal Products**	3+2+2	6	Prof. Dr. Dragoslav Kocevski Prof. Dr. Hrisula Kiprijanovska
2.	Tobacco Processing and Technology of Tobacco Products*	3+2+2	6	Prof. Dr. Zlatko Arsov
2.	Principles of Food Quality and Safety**	3+2+2	6	Prof. Dr. Sonja Srbinovska Asst. Prof. Dr. Dushica Santa
3.	Technology of Alcoholic Beverages*	3+2+2	6	Prof. Dr. Mihail Petkov
3.	Biosecurity in Primary Livestock Production**	3+2+2	6	Prof. Dr. Metodija Trajchev Asst. Dr. Dimitar Nakov
-elective courses (the student elects one course from the FASF list of courses from the 8 th semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
Practical Education				
-	Practical Education	0+2		
	Total		30	

FASF list of elective courses for the 8th semester

Course	Lectures load	Number of ECTS	Lecturer
Oil and sugar production**	3+2+2	6	Prof. Dr. Zoran Dimov Asst. Prof. Romina Kabranova
Standards for Animal Products*	3+2+2	6	Prof. Dr. Dragoslav Kocevski Prof. Dr. Hrisula Kiprijanovska
Tobacco Processing and Technology of Tobacco Products**	3+2+2	6	Prof. Dr. Zlatko Arsov
Principles of Food Quality and Safety*	3+2+2	6	Prof. Dr. Sonja Srbinovska Asst. Prof. Dr. Dushica Santa
Technology of Alcoholic Beverages**	3+2+2	6	Prof. Dr. Mihail Petkov
Biosecurity in Primary Livestock Production*	3+2+2	6	Prof. Dr. Metodija Trajchev Asst. Dr. Dimitar Nakov
Costs and Budgets	3+2+2	6	Prof. Dr. Aleksandra Martinovska Stojcheska Asst. Prof. Dr. Ivana Janeska Stamenkovska
Marketing of Agriculture Products	3+2+2	6	Prof. Dr. Nenad Georgiev Asst. Prof. Dr. Marina Nacka

* compulsory/elective courses for plant processing
 ** compulsory/elective courses for animal processing