

**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  
ECOLOGICAL AGRICULTURE  
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 – ECOLOGICAL AGRICULTURE

### FIRST SEMESTER

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Agrometeorology with Agroclimatology</b>	3+2+2	6	Prof. Dr. Srebra Ilikj Popova
2.	<b>Agricultural Machinery</b>	3+2+2	6	Prof. Dr. Zivko Davchev
3.	<b>Chemistry</b>	3+2+2	6	Prof. Dr. Biljana Petanovska Ilievska Asst. Prof. Dr. Mirjana S. Jankulovska Asst. Prof. Dr. Lenche Velkoska Markovska
-elective courses (the student elects two other courses from the FASF list of courses from the 1 <sup>st</sup> semester besides the course in Sport and Health)				
4.				
5.				
	<b>Sport and Health (optional)</b>	0+2	-	Faculty of Physical Education, Sport and Health
	<b>Total</b>		30	

#### FASF list of elective courses for the 1<sup>st</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Processing Equipment	3+2+2	6	Prof. Dr. Ile Canev
Biochemistry	3+2+2	6	Prof. Dr. Zoran Popovski
Human Resource Development	3+2+2	6	Prof. Dr. Dragi Dimitrievski
Statistics	3+2+2	6	Prof. Dr. Dragan Gjoshovski Asst. Prof. Dr. Ana Simonovska

### SECOND SEMESTER

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

#### FASF list of elective courses for the 2<sup>nd</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Management in Agriculture	3+2+2	6	Prof. Dr. Ana Kotevska
Zoology	3+2+2	6	Prof. Dr. Katerina Belichovska
Basics in Economics	3+2+2	6	Asst. Prof. Dr. Emelj Tuna
Basics of Livestock Production	3+2+2	6	Prof. Dr. Sreten Andonov

**THIRD SEMESTER**

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Pedology</b>	3+2+2	6	Prof. Dr. Tatjana Mitkova Asst. Prof. Dr. Mile Markoski
2.	<b>Microbiology</b>	3+2+2	6	Prof. Dr. Olga Najdenovska
3.	<b>Plant Nutrition</b>	3+2+2	6	Prof. Dr. Marina Stojanova
-elective courses (the student elects one course from the FASF list of courses from the 3 <sup>rd</sup> semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
	<b>Total</b>		<b>30</b>	

FASF list of elective courses for the 3<sup>rd</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Rural Development	3+2+2	6	Prof. Dr. Jovan Azderski
Plant Physiology	3+2+2	6	Prof. Dr. Silvana Manasievska Simikj

**FOURTH SEMESTER**

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Amelioration with Erosion Protection</b>	3+2+2	6	Prof. Dr. Marija Vukeljk Shutoska
2.	<b>Ecological Livestock Production</b>	3+2+2	6	Prof. Dr. Vladimir Dzabirski Prof. Dr. Kocho Porchu
3.	<b>Ecological Vegetable Production</b>	3+2+2	6	Prof. Dr. Rukie Agich
-elective courses (the student elects one course from the FASF list of courses from the 4 <sup>th</sup> semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
<b>Practical Education</b>				
-	Practical Education	0+2		
	<b>Total</b>		<b>30</b>	

FASF list of elective courses for the 4<sup>th</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Anatomy and Physiology of Farm Animals	3+2+2	6	Prof. Dr. Metodija Trajchev Asst. Prof. Dr. Dimitar Nakov
Economics in Agriculture	3+2+2	6	Prof. Dr. Jovan Azderski
Grasslands	3+2+2	6	Prof. Dr. Tatjana Prentovikj
Principles of Field Crop Production with Agroecology	3+2+2	6	Prof. Dr. Zvonko Pacanoski

**FIFTH SEMESTER**

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Water and Soil Quality</b>	3+2+2	6	Prof. Dr. Tatjana Mitkova Prof. Dr. Ordan Chukaliev Prof. Dr. Vjekoslav Tanaskovikj
2.	<b>Ecological Fruit Growing</b>	3+2+2	6	Prof. Dr. Marjan Kiprijanovski
3.	<b>Ecological Field Crop Production</b>	3+2+2	6	Prof. Dr. Tatjana Prentovikj
-elective courses (the student elects one course from the FASF list of courses from the 5 <sup>th</sup> 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 5<sup>th</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Phytopathology with Phytopharmacy	3+2+2	6	Prof. Dr. Rade Rusevski Prof. Dr. Biljana Kuzmanovska
Basics of Animal Nutrition	3+2+2	6	Prof. Dr. Srekjko Gjorgjievski

**SIXTH SEMESTER**

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Management of Amelioration Systems</b>	3+2+2	6	Prof. Dr. Marija Vukelikj Shutoska
2.	<b>Soil Degradation and Protection</b>	3+2+2	6	Prof. Dr. Tatjana Mitkova Asst. Prof. Dr. Mile Markoski
3.	<b>Principles of Irrigation</b>	3+2+2	6	Prof. Dr. Ordan Chukaliev Prof. Dr. Vjekoslav Tanaskovikj
-elective courses (the student elects one course from the FASF list of courses from the 6 <sup>th</sup> semester)				
4.			6	
-elective courses (the student elects one course from the UKIM list of courses)				
5.			6	
<b>Practical Education</b>				
-	Practical Education	0+2		
	Total		30	

FASF list of elective courses for the 6<sup>th</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Entomology with Integrated Pest Management	3+2+2	6	Prof. Dr. Stanislava Lazarevska
Marketing of Agricultural Products	3+2+2	6	Prof. Dr. Nenad Georgiev Asst. Prof. Dr. Marina Nacka
Fishery	3+2+2	6	Prof. Dr. Katerina Belichovska

**SEVENTH SEMESTER**

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Fertirigation</b>	3+2+2	6	Prof. Dr. Ordan Chukaliev Prof. Dr. Vjekoslav Tanaskovikj
2.	<b>Organic Viticulture</b>	3+2+2	6	Prof. Dr. Krum Boshkov
3.	<b>Regulations in Agri-environmental and Organic Agriculture</b>	3+2+2	6	Prof. Dr. Elizabeta Angelova
-elective courses (the student elects two courses from the FASF list of courses from the 7 <sup>th</sup> semester)				
4.			6	
5.			6	
Total			30	

FASF list of elective courses for the 7<sup>th</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Animal Hygiene	3+2+2	6	Prof. Dr. Metodija Trajchev Asst. Prof. Dr. Dimitar Nakov
Plants Selection	3+2+2	6	Prof. Dr. Ljubomir Marinkovikj
Selection of Farm Animals	3+2+2	6	Prof. Dr. Vlado Vukovikj
Contemporary Genetic Methods	3+2+2	6	Prof. Dr. Sonja Ivanovska Prof. Dr. Mirjana Jankulovska

**EIGHTH SEMESTER**

Order number	Course	Lectures load	Number of ECTS	Lecturer
-compulsory courses				
1.	<b>Biodiversity in Agriculture</b>	3+2+2	6	Prof. Dr. Sonja Ivanovska Prof. Dr. Kocho Porchu
2.	<b>Beekeeping with Honey Bee Products</b>	3+2+2	6	Prof. Dr. Hrisula Kiprijanovska Asst. Prof. Dr. Aleksandar Uzunov
3.	<b>Integrated Pest Mangement</b>	3+2+2	6	Prof. Dr. Stanislava Lazarevska Prof. Dr. Rade Rusevski Prof. Dr. Zvonko Pacanoski
-elective courses (the student elects two courses from the FASF list of courses from the 8 <sup>th</sup> semester)				
4.			6	
5.			6	
<b>Practical Education</b>				
-	Practical Education	0+2		
Graduation Thesis				
-	<b>Graduation Thesis</b>	0+3	5	
Total			35	

FASF list of elective courses for the 8<sup>th</sup> semester

Course	Lectures load	Number of ECTS	Lecturer
Medicinal and Aromatic Plants	3+2+2	6	Prof. Dr. Zoran Dimov
Wild Edible and Poisonous Plants	3+2+2	6	Prof. Dr. Elizabeta Miskoska Milevska
Costs and Budgets	3+2+2	6	Prof. Dr. Aleksandra Martinovska Stojcheska Asst. Prof. Dr. Ivana Janeska Stamenkovska
Principles of Food Quality and Safety	3+2+2	6	Prof. Dr. Sonja Srbinska Asst. Prof. Dr. Dushica Santa