



Akaki Tsereteli State University

Agrarian Fakulti

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Approved:

Akaki Tsereteli State University

Council of the Faculty of Agriculture

According to the resolution of February 22,
2024, protocol No. 13

Dean of the Faculty:  Assoc. Professor Marieta Tabagari



Educational profile of the Faculty of Agriculture

Kutaisi
2024

Educational profile of the Faculty of Agriculture

1. Purpose of the Faculty Profile Document

The profile document of the agricultural faculty's educational programs was created, in accordance with the faculty's development strategy, to define the stages and directions of the implementation of educational programs.

2. Scope of application

The document of the educational profile of the agricultural faculty is a landmark in the planning, management of the faculty's educational processes and the release of a specialist with relevant competencies. It can be used to create a spectrum of educational programs of departments, faculties and universities, and as an indicator of requirements for specialists according to the needs of the labor market.

3. Brief situational description

The Faculty of Agriculture implements academic and professional education programs of all three levels, continuous education training modules on the basis of five departments:

1. Agronomic Sciences
2. Subtropical crops
3. Agricultural engineering
4. Tourism and landscape architecture
5. Technology of subtropical crops products

Acts on the faculty:

4 bachelor's, 3 master's, 1 doctoral, 1 professional programs and 4 training modules of continuous education have been approved for implementation.

Undergraduate programs are staffed by the core of the faculty's student body, while the student body for master's and doctoral programs is much smaller.

A total of 687 students study at the faculty, including:

Undergraduate: 667 student, Among them, 360 students are financed. (Dynamics of student enrollment, see Appendix 1).

In master's degree: 12 students (including 2 with suspended status), 20 students in doctoral studies (including: 10 with suspended status);

On professional: 15 students are sponsored

The number of students of professional programs is not included in the contingent of students of the faculty, because the professional program of the Faculty of Agriculture is administered by a separate structural unit of the university: Center of Professional Education.

Students in master's and doctoral programs are partially or fully funded based on the results of entrance exams.

The application rate for master's programs is not low, but most of the applicants fail the entrance exams or after enrollment, their status is suspended due to non-payment of fees. The application rate for the doctoral program is high, and all places are filled within the norm set for the scientific supervisor.

In order to develop educational programs and better conduct the educational process, the faculty purchased educational laboratory equipment, techniques, devices for model laboratory work, dishes and reagents, electronic educational programs, and computer classes were arranged. Part of the first floor has been renovated. The environment has become adapted for disabled people. A heating system is installed and operating on the third and fourth floors of the educational building located at N53 Shervashidze. The Faculty has a scientific-research center of agrarian directions and teaching-research farms (Nosiri, Geguti).

4. Situational analysis (SWOT)

4.1. Strengths / External Supporting Circumstances

The teaching-learning process of the agricultural faculty has strengths, which are firstly expressed by the content side of the educational programs and then by the approaches of their teachers. In addition, it should be taken into account the more than half-century history of training specialists in the field of agriculture (especially subtropical agriculture) and the favorable geographical location;

In the university and therefore in the faculty, the educational process is carried out according to a predetermined schedule and it is adjusted to the needs of the student. The study will be carried out in 2 shifts, which will ensure the continuity of the educational process for all interested students. The educational process will be led by qualified academic and support staff. Provision of Georgian-language educational literature; The university and the agricultural faculty are in contact with relevant educational and scientific institutions and production. Students have the opportunity to develop theoretical and practical skills through the activities carried out in the university infrastructure, teaching farms of the faculty and contractual institutions, which are predetermined by the components of the educational programs.

The educational potential of the faculty is strengthened by the priorities that the country has regarding the areas of programs operating at the faculty. The strategic plan for the development of agriculture and tourism of the country is the best prerequisite for the development of the faculty's educational programs, as it has increased the demand for qualified specialists in the agricultural field. Also, the willingness and effort of the staff implementing the programs to establish connections with well-known colleagues from the country and abroad and share their experience in conducting the educational process (teaching methods, planning the learning process, evaluation methods) is also encouraged.

The educational programs operating at the faculty undergo development every year and become more and more adapted to the needs of the country, relevant fields and interested persons, which is reflected in the final results. The employment potential of the graduates of the programs increases considering their competence and they can be employed in all fields of agriculture; in farms and individual farms; in scientific-research and higher school institutions; In agrarian enterprises, customs and any kind of agrarian facilities. in the state and private structures of the Ministry of Agriculture, Ministry of Environment and Natural Resources, Ministry of Economy, Ministry of Education and Science. in local and international organizations of agricultural and tourism direction. Student services are developed and continuous communication with graduates is carried out, which in turn contributes to the promotion of educational programs operating at the faculty, although the administration and staff of the faculty also work intensively in this direction.

4.2. Weaknesses:

Relatively scarce financial resources and little connection with foreign universities of related specialties. lack of academic staff with knowledge of foreign languages; low level of mobility of professors and students at the international level;

Although the material and technical base has been significantly updated in recent years, the department still lacks auditoriums and laboratories equipped with modern equipment for students; Student services need further development; The employment rate of graduates leaves much to be desired.

5. Existing and potential partners

Ltd. "Herbia"; Ltd. "Adina"; Ltd. "Training Farm of Public College of Agribusiness and Agroecology"; "Nut Growers Association", "Academy of Agricultural Sciences". Tskaltubo Consulting Center of the Ministry of Agriculture, "Mechanizator" LLC, "Tractorservice" LLC, "Tegeta Motors" LLC, "Agroservice" LLC, Ministry of Agriculture of Adjara; "AgriGeorgia", AAP "St. Kutaisi Botanical Garden"; Regional Chamber of Commerce and Industry of Imereti, Racha-Lechkhumi, Kvemo Svaneti and Guria, "Student-Youth Park", st. Kutaisi decorative plant nursery "Nemo Kakushadze", LLC "FloraWestland", LLC. "Bagrat 1003" (hotel complex), Sh.P.S. "Wonderland" (travel agency), Southeastern University of Norway (HSN), LLC. Kutaisi Tourism and Excursions Bureau, entrepreneur Melano Bochorishvili (tourist agency), "Monopoli" hotel, Sh.P.S. Edelweiss - Hotel Prometheus; Agency of Protected Areas of the SSI.

The university has signed a cooperation agreement (memorandum), namely:

- Geo-Agro-Product LLC,
- "Thernali+" LLC (Tskaltubo),
- "Uniform" LLC (Kutaisi);
- Ternali Tea LLC (Kutaisi);
- Varazi LLC (Kutaisi);
- "Microbiologist" LLC (Kutaisi);
- "Kolkheti" LLC (Kutaisi);
- "Georgian Daphna" LLC (Vani, Bzvani);
- "Iberia Fruit" LLC (Dusheti, Michnigauri);
- "Tiemti" LLC (Kaspi);
- "Dried Fruit" LLC (Tbilisi).

6. Existing educational programs

Bachelor programs	
1. Agronomy	minor: Agrotechnology, Agroecology, Horticulture
2. Technical systems and technologies in agribusiness	minor: Agroengineering, Agrologistic systems
3. Food technology and expertise	minor: Food products expert
4. Tourism	minor: Tourism
Master's programs	
1. Agroecology	2. landscape architecture

3. Tourism	
Doctoral programs	
1. Agronomy Modules: 1.1 Agroecology 1.2. Agrotechnology 1. 3. plant protection 1.4. Plant selection 1.5. Horticulture	
Professional programs	
1. Garden design-Secondary professional qualification in garden design	
Training modules	
1. Use of decorative woody plants	
2. Garden design	
3. It is a taster (Tea tasting)	
4. Tea processing and quality control	

7. Human Resources

Implementation of educational programs at the Faculty of Agriculture is ensured by:

5 -Professor

34 -Associate Professor

2 -Assistant professor

3 - Teacher invited by contract

5 -laboratory assistant

4 -specialist

4 -Professor Emeritus

8. material resources

The implementation of the educational programs of the faculty is ensured by the appropriate material and technical base (Appendix 2)

9. Development prospects

- 1.1. Modifying academic programs in accordance with educational space and labor market requirements;
- 1.2. Creation of joint educational programs with the participation of another faculty or university;
- 1.3. Implementation of professional programs;
- 1.4. Implementation and realization of training courses/modules for lifelong learning strategy;
- 1.5. Creation of innovative learning materials that complement educational programs at various levels of higher academic education;
- 1.6. Addition of foreign language training courses to curricula or to be selected individually.

Existing programs		Programs to be implemented in perspective
Bachelor programs:		Bachelor programs:
1	Agronomy (integrated) Modules: <ul style="list-style-type: none"> • Agroecology • Agrotechnology • plant protection • Horticulture 	Agronomy (integrated) Modules: <ul style="list-style-type: none"> • Agroecology • Agrotechnology • plant protection • Horticulture
2	Technical systems and technologies in agribusiness	Technical systems and technologies in agribusiness
3	Food technology and expertise	Food technology and expertise
4	Agronomy: Modul: Horticulture	Decorative horticulture and landscape design
5	Tourism	Tourism
6	minor: Agrotechnology	minor: Agrotechnology
7	minor: Agroecology	minor: Agroecology
8	minor: Agroengineering	minor: Agroengineering
9	minor: Agrologistic systems	minor: Agrologistic systems
10	minor: Food products expert	minor: Food products expert
11	minor: Horticulture	minor: Horticulture
12	minor: Tourism	minor: Tourism
Master's programs:		Master's programs
1	Agroecology	Agronomy (integrated)
2		Engineering technologies (integrated) Modules: <ul style="list-style-type: none"> • Agroengineering • Food technology and expertise (giving two qualifications)
6	landscape design	landscape design
7	Tourism	Tourism
Doctoral programs:		Doctoral programs:
1	Agronomy (integrated) Modules: <ul style="list-style-type: none"> • Agroecology • Agrotechnology • plant protection • Plant selection 	Agronomy (integrated) Modules: <ul style="list-style-type: none"> • Agroecology • Agrotechnology • plant protection • Horticulture

	• Horticulture	
2		Engineering technologies (integrated) Modules: <ul style="list-style-type: none"> • Agroengineering • Food technology and expertise (giving two qualifications)
Professional programs		Professional programs
1	Garden design-Secondary professional qualification in garden design	Garden design-Secondary professional qualification in garden design
2		Agricultural machinery mechanic
3		Farmer
4		Climate-smart agriculture
Training modules		
1.	Use of decorative woody plants	Use of decorative woody plants
2.	Design of the garden	Design of the garden
3.	It is a taster (Tea tasting)	It is a taster (Tea tasting)
4.	Tea processing and quality control	Tea processing and quality control
5.		Climate-smart agriculture

10. Internationalization perspectives

1. Participation in international educational and research projects
2. Deepening cooperation with already partner universities of foreign countries and establishing contacts with new partners:
 - Deepening the relationship with Southeastern University of Norway;
 - To deepen the relationship with the Czech University of Life Sciences (Tropical Faculty);
 - Deepening of relations with Samsun and Karadezin Universities of Turkey;
 - Deepening the relationship with the Hungarian Agricultural University "MATE";
 - Establishing a relationship with the Austrian State University of Soils and Forest Cultures;
 - Establishing relations with the Agrarian University of Lithuania;
 - Establishing relations with other new Turkish and European agrarian universities;
3. Increasing international mobility of students and academic staff;
4. Increasing the involvement of foreign professors in the educational process;
5. Increase the number of academic staff publications in high-ranking indexed publications
6. Increasing the number of joint training courses with professorships of foreign partner universities.

**Dynamics of student enrollment and graduation at the Faculty of Agriculture
in the reporting period
(Excel file attached)**

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Material-technical base according to departments**

1. Department of Agronomic Sciences

The material and technical base necessary for carrying out researches are the laboratories of the department: 1. Laboratory of soil science, melioration and agroecological monitoring 2. Laboratory of agrochemistry and farming and 3. Laboratory of plant protection.

The following devices are placed in the laboratories: water filter, hood, PH meter, photoelectrocolorimeter, centrifuge. With the equipment and conditions in the laboratory, it is possible to carry out the following tasks necessary for research: morphological description of the soil section, taking samples for soil research, conducting physical and mechanical analyses. In the samples, we can determine the mechanical composition, porosity, specific and volumetric weight, water conductivity, water capacity, structure, plasticity, humus with the thiurin method (with phenylanthralinic acid, diphenylamine), with a PH-potentiometer (PH meter) in water and kalichlor suspension, exchangeable and hydrolytic acidity dai Kukhara by Capen's method. There are utensils in the laboratories: iron balls, porcelain jars, measuring flasks, Erlenmeyer flasks, titration burettes, aluminum and glass beakers.

2. Department of Subtropical Crops

The libraries of Akaki Tsereteli State University, the computer base of the Faculty of Agriculture, teaching-scientific laboratories and educational scientific-research farms are used; computer classes connected to the Internet and equipped with a package of traditional programs; Laboratory of "Subtropical Crops" and "Technical Crops and Medicinal Plants". Students will develop practical skills in the university training farms.

3. Department of Tourism and Landscape Architecture

All the conditions for research in the field of landscape architecture have been created at the faculty: there is a functioning computer class equipped with 3D programs for designing gardens and parks. The department has white and color printers, 2 projectors, a camera, a laser rangefinder, a measuring wheel, an anemometer, and other devices that allow environmental planning, vegetation study, and the creation of greening-reconstruction projects with 3D programs. (including the so-called "Archikad" and "Lumion"). The study and processing of agro-technical issues of plants takes place on the territory of the partner organization and the university (Kutaisi decorative plant nursery "Nemo Kakushadze" and the scientific research and training farm of the faculty).

There is appropriate inventory/equipment for research in the direction of tourism, such as tents, sleeping bags, etc. The department has a tourism laboratory equipped with computers and other technical means, as

well as an application has been submitted to the university administration and there is a readiness to arrange another computer class equipped with the latest operating system.

4. Department of Agricultural Engineering

1. Tractor and vehicle structures laboratory (descriptive course) cabinet;
2. The applied mechanics laboratory (cabinet) is equipped with visible materials: (mechanical transmission mock-ups, cylindrical, conical, screw reducers, planetary and wave transmission mock-ups, demonstration posters);
3. Operation and repair laboratory-cabinet. Equipped with car engine bays, gearboxes, undercarriage structures, front and rear axles, steering mechanisms and other structural components.
4. Two computer classes;
5. Laboratory of electrical equipment and electric drives (cabinet):
 - 5.1. Laboratory (class) of machine mechanisms and materials science. Equipped with Rockwell, Brinell and Vickers toughness measuring devices, impact viscosity measuring pendulum urn, visible constructions of machines and mechanisms.
 - 5.2. Laboratory (cabinet) of technical measurements and interchangeability: It is equipped with a measuring tool (micrometers, calipers, calibrators, unique gauge, rod gauge, gear tooth height gauges, etc.).

Tools, equipment, devices:

1. Tractor T150K, "Sintai-18", "Sintai-180";
2. Six-hull plow - 1 piece;
3. Plow with single body - 1 piece;
4. "Motor Graver" (moto block) - 1 piece;
5. "Motor Buffer" motoblock - 1 piece;
6. Two-hull plow - 1 piece;
7. Peel - 1 piece;
8. Two-section seed drill - 1 piece;
9. Cultivator - 1 piece;
10. Milling - 1 piece; mower - 1 piece;
11. Tractor coupling - 2 pieces;
12. Motoblock cultivator - 2 pieces.

5. Department of Subtropical Crops Product Technology

The department has 5 teaching-research laboratories:

- ✓ Laboratory of technology of subtropical crops products;
- ✓ Laboratory of biotechnology and microbiology;
- ✓ Storage of agricultural raw materials - processing laboratory;
- ✓ Laboratory of chemical analysis and expertise;
- ✓ Laboratory of biochemistry and food products.

Laboratories are equipped with laboratory equipment, chemical vessels and reagents.

Special laboratory work sets are used for the implementation of training courses: biochemistry, engineering enzymology, biotechnology, production microbiology.

Laboratory devices are also used for teaching and research work in the specified laboratories:

Technical scales (BAKT-500-M), analytical scales (No. 51144; BAP-200), thermostats, water distillation cube (D3-2-4M; TY-64-1-721-79; No. 20722), water baths Polish (LAZMA WODN TY LWmLshW3), Kamovsky pump, microscopes, centrifuge, sieve WU 4, muffle furnace-MP-2YM No. 47135, microbiological thermostat TC-8OY42 No. 4430, refractometer ИРФ-454ББМ No. 901174, photoelectrocolorimeter КФК-Z; No. 911917, Ph meter - 211

6. Scientific-Research Center of Agrarian Directions

Citrus plants:

N	The genus of the plant	type of plant
1	Citrus	Lemon Meyer
2	Citrus	Lemon Villafranca
3	Citrus	Georgian lemon
4	Citrus	Lemon is a dioscurium
5	Citrus	Mandarin early
6	Citrus	Tangerine broad-leaved unshiu
7	Citrus	Tangerine Broadleaf Unshu Clone N2
8	Citrus	Mandarin Kowano-Vase
9	Citrus	Mandarin Miho- Wase
10	Citrus	Grapefruit Duncan
11	Citrus	Grapefruit Imereti
12	Citrus	Local oranges
13	Citrus	Navel Orange Washington Navel
14	Citrus	Pompelmous dessert shadok
15	Citrus	Pompelmus pear-shaped shadok
16	Citrus	Ichangenzis lemon
17	Citrus	Complex hybrid of ichangenzis "Caucasia"
18	Poncyrus	Common trifoliata
19	Poncyrus	Early vowel trifoliata
20	Fortuna	Kinkan
21	1-8/40 Grant hybrid seedlings	Seedlings in different combinations

7. Training farms of Nosiri and Mukhiani:

1. Tractor "Golden 118" - 1 piece not in working condition
2. Water gasoline pump - 1 piece
3. Poisoning device with accumulator - 3 pieces
4. Poisoning device with gasoline - 1 piece
5. Mower - 3 pieces
6. Grinding machine - 2 pieces
7. Cutting scissors - 4 pieces
8. and other working inventory

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Dynamics of student enrollments and graduations by programs from 2020.
Number and reasons for suspension of student status.

Educational program **B-Agronomy**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	51	28	2	7	1	
2021	49	33	1	9	0	
2022	46	28	2	4	0	
2023	39	17	11	51	3	

Years	Enrollment	Commandment	Graduation
2016-2020	61	153/48, 16.09.2016;1 55/65,	28
2017-2021	59	159/16, 20.09.17 157/1, 18.09.17 164/14,	33
2018-2022	44	153/32, 13.09.18 158/15, 21.09.18 163/8, 28.09	28
2019-2023	39	157§8 20.09.2019 162§2 27.07.2019 152§1 13.03.2019	17

Educational program **M - Agroecology**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	9	1	0	3	0	
2021	2	3	0	1	0	
2022	5	13	4	0	1	
2023	0	2				

Years	Enrollment	Commandmen	Graduation
2018-2020	1	163/9,	1
2019-2021	4	162/3, 27.09.2019	3
2020-2022	9	158/1 02/10/2020	13
2021-2023	2	157/5 01.10.2021	2

Educational program **D-Agronomy**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	3	0	0	0	0	0
2021	0	0	0	0	0	0
2022	2	4	0	0	10	0
2023	4					3 with a personal statement

Years	Enrollment	Commandmen	Graduation
2017-2020			0
2018-2021	1	01-05/1310 5.10.2018	0
2019-2022	2	01-04/79 01.10.2019	4
2020-2023	3	01-05/851 05.10.2020	

Educational program **B-Technical systems and technologies in agribusiness**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	11	16	6	7	5	3 (due to non-registration)
2021	14	15	3	15	3	12 (due to non-registration)
2022	9	8	9	8	6	6 (due to non-registration)
2023	12	6	3	2	3	4 (due to not registering for an additional semester)

Years	Enrollment	Commandmen	Graduation
2016-2020	21	153/48. 16.09.16 155/65. 20.09.16	15
2017-2021	23	159/16. 20.09.17 157/1,	15
2018-2022	9	153/32, 13.09.18 158/15, 21.09.18 163/8,	8
2019-2023	12	157§8 20.09.2019 162§2 27.07.2019 152§1 13.03.2019	6

Educational program **B-Food technology and expertise**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	21	12	3	11	9	9
2021	30	8	3	20	0	14
2022	23	7	2	18	6	7
2023	8	8	2	7	4	9 (due to not registering for an additional semester)

Years	Enrollment	Commandmen	Graduation
2016-2020	27	153/48, 16.09.16 155/65. 20.09.16	12
2017-2021	30	159/16, 20.09.17 157/1,	8
2018-2022	22	153/32, 13.09.18 158/15, 21.09.18	7
2019-2023	8	157§8 20.09.2019 162§2 27.07.2019 152§1 13.03.2019	8

Educational program **B-Tourism**

Years	Enrollment	Graduation	შუიერდა სტუდენტის სტატუსი			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	83	16	24	21	16	18
2021	90	40	29	19	21	22
2022	91	33	49	18	19	19
2023	60	27	74	27	7	

Years	Enrollment	Commandmen	Graduation
2016-2020	68	153/48, 16.09.16 155/65, 20.09.16	16
2017-2021	86	159/16, 20.09.17 157/1,	40
2018-2022	82	153/32, 13.09.18 158/15, 21.09.18	33
2019-2023	60	157§8 20.09.2019 162§2 27.07.2019 152§1 13.03.2019	27

Educational program **M-Tourism**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	4	1	1			
2021	2	4				
2022	1	2				
2023	1	2				2 with a personal statement

Years	Enrollment	Commandmen	Graduation
2018-2020	1	163/9, 28.09.	1
2019-2021	1	162/3, 27.09.2019	2
2020-2022	4	158/1 02/10/2020	2
2021-2023	2	157/5 01.10.2021	2

Educational program **M-landscape architecture**

Years	Enrollment	Graduation	Suspended student status			
			Due to financial debt	30 due to the misappropriation of credits	with a personal statement	for another reason (write down what reason)
2020	7					
2021	6	5	1		3	
2022	2	1				
2023	3	1	1			

Years	Enrollment	Commandmen	Graduation
2018-2020	1	163/9,	0
2019-2021	1	162/3, 27.09.2019	5
2020-2022	7	158§1 02./10/2020	1
2021-2023	6	157/5 01.10.2021	1