ANKARA UNIVERSITY
FACULTY OF AGRICULTURE

"Pioneer in agriculture, environment and life sciences"
foreword

Ankara University, Faculty of Agriculture, “Pioneer in Agriculture, Environment and Life Sciences” that is most rooted higher education institution in its area in Turkey. It is a leader institute of our country so that able to direct the agricultural policies with education-teaching infrastructure, contribution to agricultural development and innovative studies in agriculture.

The University of Ankara is the foundation of the Faculty of Agriculture, the Higher Agriculture Institute (Y. Z. E.), it is the first higher education institution established on October 30, 1933 after the declaration of the Republic. Y. Z. E. was reorganized on June 30, 1948 after the establishment of the University of Ankara in 1946 and the name was changed and opened as the first Faculty of Agriculture of the Republic of Turkey. Undergraduate and graduate education is being given related to agriculture and environmental sciences based on agriculture. Today, Ankara University Faculty of Agriculture has a large and experienced academic staff and an advanced scientific infrastructure. Scientific researches and activities are carried out with international standards with those facilities in our faculty. Ankara University’s Faculty of Agriculture has maintained its mission to sustain a pioneer in agriculture, environment and life sciences from its establishment until today and continues its determination in this context. Our faculty is in a strong, leading position in its field. It derives its power, from its historical background, with over 22,000 bachelor and 4,600 graduate degrees. Today, our faculty is engaged in education and research and development activities in a total of 5515 ha campus area with 227 academic and 291 administrative staff.

The Faculty of Agriculture, Ankara University, which I am honored to be a dean, has an institutional structure that is focused on research and development, both for student and practice-centered education and training. Our faculty with this mission, on the one hand, always works in cooperation with the national and international sectors and on the other hand continuously updates the structure of education and training. In recent years, our faculty students are encouraged to participate in scientific, technical, social and cultural activities organized by university-sector cooperation in order to enable our students to have direct dialogue and interaction with the sector during their undergraduate studies, enabling them to plan their professional careers.

I congratulate our students who choose our faculty and wish them success.

Yours truly,

Prof. Dr. Ergin DURSUN
Dean
August 2017
History the faculty

The history of agricultural education in Turkey dates back to very old times. The first Agricultural School was founded in 1846 in Istanbul-Yesilkoy Ayamama Farm that could continue to its activities for two years.

Towards the end of 19th century, while various precautions were being taken for the development of agriculture, the need for agriculturists to implement them has also begun to occur. For this reason, Halkali Agriculture High School was established in 1891. The school continued education and training and raised agricultural engineers. Upon closing of this school, Ankara Agriculture High School was opened in 1930 in order to fill the need for agricultural education. Adopting the same education system as the German agricultural schools, this school was transformed into the High Institute of Agriculture three years later. The Institute was established with the directive of Ataturk at the 10th year of the Turkish Republic and started education in 30th October 1933 with different functional and structural features from Halkali and Ankara Agricultural High Schools.

Within the Institute, Agriculture, Forestry, Veterinary, Natural Sciences and Agricultural Art Faculties were present. In order to modernize Turkish Agriculture, to observe and solve problems scientifically, to educate Agricultural engineers, to give education and do research on the field. The education system of the Institute was designed as the general agricultural education system that was 8 semesters (4 years) including 10 months continuous practical training in the first two semesters.

In 1946, Istanbul, Istanbul Technical, Ankara Universities were established. High Institute of Agriculture continued education until 1948, after then, Agriculture and Veterinary Faculties were united to Ankara University, Forestry to Istanbul University, Natural sciences to Ankara University Faculty of Science, Agricultural Art to Faculty of Agriculture.

Ankara University Faculty of Agriculture with a new discipline in the university since 1948, has been contributing to the improvement of Agriculture and has an important role in the education of agricultural engineers and scientists.

As the only Agricultural Faculty in Turkey until 1955, the Faculty has the privilege and honor of having important roles in the establishment and development of other Agricultural Faculties such as Ege, Ataturk, Çukurova and others as the main Faculty in Agriculture.

Since founded, Ankara University Faculty of Agriculture, graduated more than 20,000 Agricultural engineers, published hundreds of text books, thousands of research, investigations and articles.

Today, Ankara University Faculty of Agriculture is the leading Faculty in Agricultural education and research in Turkey with 500 acres of campus, research and training farms, research stations, strong academic and administrative staff.
about the faculty

- Agricultural Economics
- Animal Science
- Dairy Technology
- Agricultural Machinery and Technologies
- Agricultural Structures and Irrigation
- Field Crops
- Fisheries and Aquaculture
- Horticulture
- Landscape Architecture
- Plant Protection
- Soil Science and Plant Nutrition

11 departments

3 graduate diploma programs
- Agricultural Engineering
- Fisheries & Aquaculture Engineering
- Landscape Architecture

1892
Halkali Agriculture High School was established in Istanbul.

1933
High Institute of Agriculture was found in Ankara.

1948
The Institute was connected to Ankara University as Faculty of Agriculture.

1846
Ayamama Farm Agricultural School was established in Istanbul.

1930
Agriculture High School was established in Ankara.

1946
Ankara University was found.
Ankara University Faculty of Agriculture was founded in Ankara in 1933 as Ankara High Institute of Agriculture (YZE) and has the scientific experience gained over years. The history dates back to 1892 as Halkali Agriculture High School in Istanbul. In 1930 Agriculture High School was established in Ankara which was a cornerstone of YZE. This Institute was later connected to Ankara University in 1948.

The Faculty of Agriculture has **11 departments** and provides education programs with highly qualified academic staff. The faculty has a wide range of facilities for teaching and research including **3 different graduate diploma as Agricultural Engineering, Fisheries and Aquaculture Engineering, and Landscape Architecture.**

The departments have several laboratories equipped with modern and novel technologies. Greenhouses and experimental fields are available for teaching and research.

Library, computer rooms, sports facilities are present in the Faculty. Besides, Research and Training Farms and Stations provide practical training opportunity for students.

Annual events such as the orientation week (for first year undergraduate students), Career Fair, Student Congress, ‘Cansuyu’ Festival, Harvest Day Fair, Vintage Fair, Sports Festival are regularly performed at the Faculty.

The faculty has strong communication, cooperation and entrepreneurship with private sector and governmental institutions.

The Faculty is located at Ankara, the capital city of Turkey and is a prominent university town and provides easy access to all worldwide destinations.
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* See page 20 for the faculty map.

Ankara University
Faculty of Agriculture
top reasons to choose

- First agricultural faculty established in Turkey
- Rich historical background
- Highly qualified academic staff
- Strong Infrastructure for practical training and experimental studies
- Major and minor graduate program opportunities within Faculty and University
- Worldwide international exchange program opportunities
- High number of international joint projects
- Leading faculty in agricultural education
- Social facilities
The Department applies science of economic principals in agriculture including two main areas as Agricultural Management and Agricultural Policy and Extension.

In the context of Agricultural Management, productive, profitable and rational management principals are shown considering production relations and theory.

In Agricultural Policy and Extension, the agricultural policy which directly or indirectly affects producers and consumers, rural development and sociology, the education process for the adaptation of innovations are considered. In this context, comprehensive education are given to the students.

Department has close connections with other departments of the Faculty as it researches the economic concept of the developments in other branches.
The Department integrates science, practice and innovation to serve the immediate needs of animal industries and provide new knowledge, information and skill to comply the current and forthcoming challenges.

The primary objectives of the program are to educate students in animal breeding and genetics, animal nutrition, reproduction, biostatistics, animal disease and health protection, hygiene, physiology, animal fibers (mohair, wool, hair), and the areas of animal business and industry.

Our graduates are aware of sustainable animal production practices that ensure animal reproduction technologies, animal diseases, animal health, hygiene, animal welfare, animal behaviour, management of natural resources and animal waste.
The Department aims to educate students, create and disseminate theoretical and practical continuously updated knowledge and skills, and develop applications of technology through study of dairy and related biological and engineering systems in order to ensure the production of safe milk and dairy products at both national and international standards required by rapidly evolving dairy industry.

The undergraduate levels of education is arranged to provide students the technical facilities in topics as processing of milk into dairy products and dairy by-products, the establishment and the organization of dairy industries with quality control activities, the utilization of dairy wastes, including the required analytical and microbiological analysis in milk and dairy products and interpret the results with the novel techniques and tools in the field of dairy technology.
The department is involved in machine design and its management with basic and applied research and consultancy.

Main areas are energy in agriculture, rural electrification, computer applications in agriculture, tractors and other power machines used in agriculture, as well as tillage equipment, sowing, planting, fertilizing machines, irrigation pumps, harvesting and cleaning machines, plant protection and pest control equipment, mechanization in livestock husbandry, greenhouse, cooling and drying techniques in agriculture, heating and cooling techniques in farm structures, environmental controllers for poultry, management, planning and product research related to implementing and applying all agricultural technologies.
The Department covers courses and research projects related to sustainable use and development of agricultural lands and water sources, irrigation of agricultural crops, land drainage and reclamation, land consolidation and agricultural construction such as barnyards, poultry house, storage buildings for agricultural products, greenhouse construction and maintenance and rural settlement planning. It also participates professional and farmer training programs, seminars and field demonstrations to give education in the upper limit as to create professionals who can contribute the field.

Graduates from this department are employed with state agencies such as State Hydraulic Works (DSI) Ministry of Agriculture. Non-governmental agencies such as irrigation groups, irrigation cooperatives and irrigation engineering equipment retail and consulting firms also seek students with this background. Our graduates also have license to set up and operate private engineering offices offering services on their expertise.
The Department’s aim is to educate students to generate, integrate and apply knowledge about crop plants that are widely grown in our country for food, feed and the general benefit of humankind. Through the integration of teaching, research and extension/outreach efforts with continuously update knowledge and skills, we find and disseminate answers to problems and discover opportunities concerning efficiency and sustainability of production, improvements in yield and quality, and methods for safe and environmentally-sound practices.

Undergraduates who specialize in cultivation of field crops such as cereals, edible legumes, oil crops, fiber crops, fodder crops etc., in plant breeding, in seed science and in range management learn the application of agronomy and plant breeding to improve production and quality of cultivated plants in preparation for successful careers in research, industry, agricultural extension, government, and international programs.
The Department is reinforced with a wide array of highly qualified and experienced academic staff, modern infrastructure facilities and bilateral cooperation with many reputed national and international institutes.

Education is specialized under different fields such as aquaculture, fisheries resources, marine and freshwater fisheries, aquatic plants, biotechnology and genetics, marine biology, engineering systems, science and technology for exploitation of fisheries resources and water quality.

The Department has identified main focus areas for further research and development in order to address the issues of aquaculture sector of freshwater and marine ecosystems.

Graduates are known to be employed in aquaculture industry, which demands educated, talented and diverse workforce who will be employed not only in the retail and wholesale seafood trade, but also as aquaculture advisors, equipment engineers, fish farmers, academic staff and scientist for commercial and government operations.
The Department is composed of four sections including fruit, grapevine, vegetable and ornamental plants growing and breeding.

The aim of the program is to give theoretical education on growing techniques, propagation, breeding, physiology, biotechnology, seed science and technology, protected cultivation systems and post harvest physiology of horticultural plants.

The program offers students a broad understanding of all aspects of horticultural production for the improvement of plant growth, yield, quality, nutritional properties and resistance traits. In this concept basic knowledge on biology, morphology and physiology of horticultural plants, ecological requirements are provided. These are further supported with growing and breeding techniques involving classical and modern approaches.
The Department deals with spatial design, planning and management examining the nature, planning and design concept in a systematic structure by bringing together art, science, engineering and technology.

Graduates incorporate the knowledge of physical planning, design, ecology and art into issues and problem of natural and cultural landscapes; analyze the landscape architectural issues/problems in the fields of spatial planning, design, reclamation and site engineering, and develop sustainable solutions; describe social, economic and environmental conditions; obtain, analyze and design the size the relevant variables towards a defined destination.

Employment in organisations and private sector as well as public sector related to work area such as environmental planning and design, environmental impact management, landscape management (planning maintenance and restoration), marketing and cultivation of ornamental plants.
The mission of the Department is to carry out research in the direction of production and dissemination of information and techniques for the solution of problems of plant protection in national and international fields, and to train the students and related personnel who will be able to contribute to the solution of these problems.

The Department has two branches: Phytopathology section consists of Bacteriology, Herbolgy, Virology, Mycology, Molecular Plant Pathology branches and Entomology section consists of Economic Entomology, Acarology, Nematology, Molecular Entomology branches.
The Department consists of two main departmental subdivision as Soil Science and Plant Nutrition. The Department has developed an outstanding science program focused on Soil Physics, Soil Chemistry, Soil Biology, Soil Erosion and Conservation, Soil Survey, Mapping and Plant Nutrition.

The departments aim is to expand, integrate, and extend the knowledge of soil plant ecosystems in the production of plant and the sustainability of environmental quality.

Soil science graduates gain an understanding of agricultural production, environmental concern and natural resources.
Foreign Relations and Internationalization Office serves the purpose of facilitating internationalization at the Ankara University in terms of setting up partnerships with many universities, institutions, arranging study abroad for Ankara University students, receiving international exchange students, as well as organizing the mobility of university staff within the framework of international undergraduate and graduate educational programs. Among these programs are LLP Erasmus, International Summer School, Mevlana Exchange Programme and etc. through bilateral agreements signed by Ankara University and partners worldwide.

For more details about these programs and application, please visit the link below:

http://iso.en.ankara.edu.tr/
haymana
research & experimental farm
420 ha total land | 45 km from Ankara city center

* Field crops (wheat, corn, barley, clover)
* Fruits (Apple, cherry, sour cherry, apricot, plum)
* Egg poultry
* Milk cattle, livestock and sheep breeding,
* Beekeeping
**aytaş**

horticultural research and experiment station

42 ha total land | 68 km from Ankara city center

* Seedling production (apple, pear, cherry, sour cherry, apricot, peach, plum, almond, mulberry, walnut)
* Vegetables (warm season and cool season vegetables)
* Field crops (sage, melissa, clover, thyme)
Established in 1992, provides research and training opportunities on grapevine breeding, propagation, physiology, biology and growing techniques mainly focused on Kalecik Karasi grapevine cultivar. The station has a rich germplasm collection (including table, wine, raisin grape cultivars) which is in the first place in the region and third in the country.
çifteler
aquacultural research
and experiment station
80 da total land | 242 km from Ankara city center

* Fisheries (Rainbow trout, koi, sturgeon and tilapia)
facilities

Dining Hall, Cafeteria
IT Rooms, Study Areas
Accommodation

The faculty has a main library with special collections ranging from books, journals and open Access sources providing hundreds of online research databases and e-books and journals open during Office hours all through the semesters. Additionally, each department has its own library with significant expertise and departmental collections.

IT rooms are open during office hours all through the semesters unless otherwise stated. Students can Access freely these rooms using their student ID cards.

Sports Facilities

Faculty of Agriculture offers excellent sport facilities including indoor sports area, tennis courts, for the use of its students.

* Ankara University Directorate of Health, Culture and Sports helps on accommodation located both in Faculty and University Campuses.

Further information can be obtained from http://en.ankara.edu.tr/campus-life/dormitories
social life

student societies

Orientation Week
(for first year undergraduate students)
This week gives the perfect opportunity to explore the Faculty campus and meet other students and lecturers, including information about the faculty and university facilities before lectures begin.

Career Fair
This annual fair welcomes the professionals from the Agricultural and Food sector/industry in which lots of advice and useful contacts is given to students to thrive and succeed in their personal and academic endeavours.
Student Congress
The annual student congress is held to provide students the opportunity to organise, present and discuss the issues about agriculture in order to gain experience for their future.

"Cansuyu" Festival
A series of events and activities (ranging from dancing to singing, hosting music groups) are performed for students and staff by making them experience unforgettable moments. Additionally, the stands opened by students attract a lot of people since they sell unique items.

Harvest Day Fair

Vintage Fair
social life

Sports Festival

Graduation

Traditional Graduates Meeting
Museum of the Faculty of Agriculture of Ankara University was opened on November 21, 2007. Items that reveal how the Faculty contributed to the education, science and society since 75 years are displayed in the museum. The Museum is first of its kind and unique in terms of its theme. Sub-museum units are also being established under the scope of the objective to turn the whole campus of Faculty of Agriculture into a museum. Another objective is to connect all sub-museum units via a museum path.
1. Deanery
2. Agricultural Economy
3. Animal Science
4. Dairy Technology
5. Sports Fields
6. Landscape Architecture
7. Sports Hall
8. Agricultural Machinery and Technologies
9. Fisheries and Aquaculture
10. Theater Hall
11. Horticulture
12. Plant Protection
13. Agricultural Structures and Irrigation
14. Soil Science and Plant Nutrition
15. Social Facilities and Museum
16. Field Crops
17. Tennis Court

Ankara University
Faculty of Agriculture