



FACULTY OF AGRICULTURE IASI, ROMANIA







Studying at
FACULTY OF AGRICULTURE

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Faculty Board

Dean

PhD, Assoc. Prof. Denis Țopa

Tel.: 0040 232 407.445

Fax: 0040 232 219.175

E-mail: topadennis@uaiasi.ro

Vice-Dean (didactic activity)

PhD, Prof. Stejărel BREZULEANU

Tel.: 0040 232 407.516

Fax: 0040 232 219.175

E-mail: stejarel@uaiasi.ro

Vice-Dean (scientific research activity and international relations)

PhD, Assoc. Prof. Florin Daniel LIPȘA

Tel.: 0040 232 407.526

Fax: 0040 232 219.175

E-mail: flipsa@uaiasi.ro

Secretariat

Florentina SCAFARIU

Tel.: 0040 232 407.503

Minodora RADU

Tel.: 0040 232 407.424

Fax: 0040 232 219.175

E-mail: secr_agr@uaiasi.ro

Dean's Welcome

Faculty of Agriculture of University of Agricultural Sciences and Veterinary Medicine Iasi, is the most prominent center of agricultural knowledge from the North-East Romanian EU region.

Faculty of Agriculture is the flagship faculty of the University and is an innovative and vibrant center of scientific and technological excellence, the main goal being to unlock the potential of our staff and students through education, research and strategic partnerships relevant to the agricultural needs of the society. Our Faculty is equipped with a wide range of state-of-the-art infrastructure and equipment related to ongoing research projects

Our educational programs and research activities have an enormous contribution to competitiveness strengthening

of the agricultural sector in this field. Graduate diplomas of our Faculty are internationally recognized, thus ensuring global mobility of our graduates.

We take pride in the way a Faculty of Agricultural Sciences prepares our students to pursue a range of careers in various sectors of agricultural, industrial, institutional and multinational corporations and to be leaders in a complex world. We strive to be a major contributor to the education of future scientists through our numerous and diverse undergraduate and postgraduate programs.

Our alumni are at the pinnacle of their fields. Our graduates are excellent agronomists, the best technologists, multinational companies managers, CEOs, entrepreneurs or professors.



As a dean, I am honored to be part of a community that works to listen deeply to one another, that supports all its members and trusts that together we can find answers to the hardest questions. The foundation of our Faculty is solid and we are continuing to push our limits to reach even higher.

I encourage you to explore and to spend some time to get to know the Faculty of Agriculture from Iasi and all that it offers, by accessing our website or by visiting our Faculty.

Kind regards,
Assoc. Prof. Denis TOPA, Dean
Faculty of Agriculture

ABOUT OUR UNIVERSITY



The University of Agricultural Sciences and Veterinary Medicine of Iasi celebrated its 100th anniversary in 2012 and has as fundamental mission the training of agricultural, horticultural and animal husbandry engineers, agricultural economists, engineers in food industry, biologists, as well as veterinary surgeons.

The university has four faculties (Agriculture, Horticulture, Animal Husbandry and Veterinary Medicine) and offers Bachelor's, Master's, and Ph.D. degrees, along with advanced postgraduate studies.

With around 5,000 students and 200 members of the academics staff, the university offers 15 undergraduate programmes. All are available in Romanian, and one in English (Veterinary Medicine). Additionally, the University offers 21 Master programmes.





WHY STUDY AGRICULTURE?

The main academic mission of the Faculty of Agriculture is training specialists for one of the most complex fields of the national economy, i.e. agriculture.

The academic curricula enable the future specialists to gain the theoretical and practical knowledge that account for them being able to work as specialists, managers, market experts and for their quick absorption into the national and EU labour market.

Other mission of the faculty is the initial training of students in the field of scientific research, methodology and pedagogy, with a view to gaining employment within the framework of secondary and tertiary education system.



ACADEMIC PROGRAMMES



The Faculty of Agriculture has the mission to train generation of professionals in the fields of agriculture, agricultural economics, biology, food industry and environmental protection through bachelor and master programmes, doctoral studies, and post-doctoral programmes.

The academic curricula enforce the requirements of both the legislative framework and the standards and performance indicators imposed by the Romanian Quality Assurance Agency for Higher Education (ARACIS). These measures aimed to ensure compatibility with national and international qualifications.

The Faculty has at its disposal the most appropriate equipment to ensure high quality education, reviewed on an annual basis, and continuously improved upon providing excellent basis for teaching, research, practice and training centres for students. Education areas (represented by lecture theatres, laboratories, mechanisation halls, seminar rooms, etc.) are modernly equipped with laboratory equipment, computers, multimedia and internet access.



BACHELOR STUDIES (BSc.)

Domain: AGRONOMY

Specialisations (4 years):

- Agriculture
(offers also the possibilities for Distance-Learning program)
- Agriculture in Mountainous Regions
- Exploitation of Machines and Equipment for Agriculture and Food Industry

Title: Engineer

Credits: 240

Career opportunities:

- Agricultural farms and associations
- Phyto-sanitary customs police
- District laboratories for fodder quality control
- Research institutes;
- Secondary and tertiary education institutions
- Agricultural chambers, agencies and offices for rural development
- Non-governmental organizations focused on rural development
- Town halls department of sustainable development
- Assessing and certifying agricultural fields and products



BACHELOR STUDIES (BSc.)



Domain:
ENGINEERING AND MANAGEMENT

Specialisation (4 years):

- Economic Engineering in Agriculture (offers also the possibilities for Distance-Learning program)

Title: Engineer
Credits: 240

Career opportunities:

- Commercial and marketing manager at a food company
- Quality manager
- Farm manager
- Agricultural advisor
- Logistics manager at a large supermarket chain
- Procurers at national and international trading companies
- Sales managers of food producers;
- Secondary and tertiary education institutions
- Researcher





BACHELOR STUDIES (BSc.)

**Domain: ENGINEERING OF
ALIMENTARY PRODUCTS**

Specialisations (4 years)

- Technology of Processing Agricultural Products
- Consumer and environmental protection

Title: Engineer
Credits: 240

Career opportunities

- Engineer for food production processes and technologies
- Food and Consumer Product Safety Authority
- Commercial technology, packaging or product development
- Quality controller
- Production or quality manager; Consultant or project manager at
- consultancies or engineering agencies
- Environmental or energy manager
- Advisor at consultancy agencies and technological enterprises in the fields of
- sustainable energy and water technology
- Secondary & tertiary education institutions, Researcher.



BACHELOR STUDIES (BSc.)



Domain: BIOLOGY

Specialisation (3 years):

- Biology

Title: BSc. biologist

Credits: 180

Career opportunities:

- Microbiological and environmental laboratories
- Biotechnology
- Consultant for food production companies, research institutes, project developers and governmental organisations
- Secondary and tertiary education institutions
- Researcher.

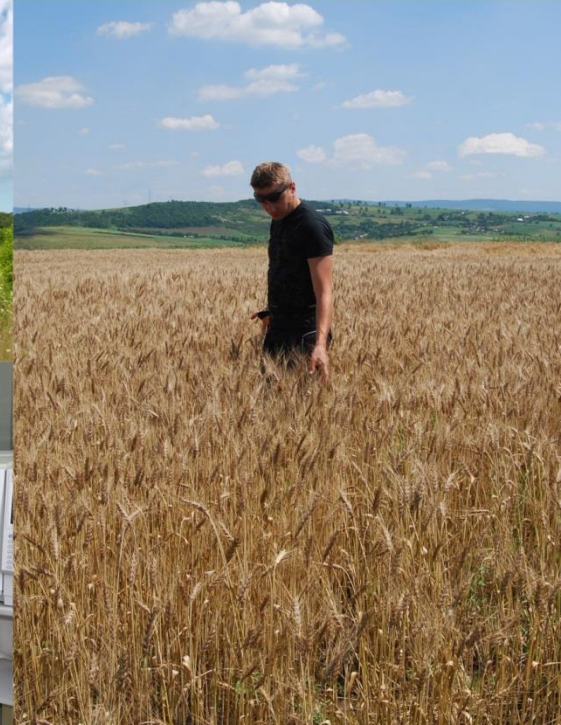




MASTER STUDIES (MSc.)

Master degree programmes (2 years):

- Expertise and evaluation of land fund
- Production of seed and planting material
- Alternative technologies in agriculture
- Modern agricultural technologies
- Analysis and diagnosis in agriculture
- Agribusiness administration
- Agricultural management
- Management of public alimentation and agritourism
- Agricultural management and audit
- Expertise on food processing
- Food safety and consumer protection
- Advanced processing systems and quality control of agroalimentary products
- Preservation and use of plant genetic resources



DOCTORAL STUDIES (PhD.)



The doctoral studies represent a requirement for the professional career in the field of higher education or research.

The Faculty of Agriculture offers the following doctoral studies (3 years):

- Agricultural techniques
- Exploitation of land improvement systems
- Phytopathology
- Phytotechny
- Plant physiology
- Agricultural mecanization
- Forage Production and Storage
- Botany
- Management
- Marketing
- Rural economy



SCIENTIFIC RESEARCH

The scientific research is mainly interdisciplinary and has both a fundamental character and implications regarding applicability, innovation and technological transfer, in accordance with the present and future requests of agriculture.

Main direction of research:

- Fundamental investigations of genetics and vegetal physiology;
- Soil evaluation and environmental quality in hydro-amelioration works;
- Microbiology - soil, plant, air and food products;
- Research in grassland and fodder plants culture;
- Mycotoxins in food and raw materials;
- Pest and diseases integrated control;

- Soil science, agro-chemistry and environment;
- Improvement of agricultural technologies at the main cultivated species;
- Agroalimentary and agricultural products marketing;
- Obtaining natural unpolluted substances from aromatic, medicinal and tinctorial flora;
- Optimization of agricultural production structure in different agricultural systems.

Research is conducted in specialised laboratories (e.g. ICAM) and on the experimental fields of the research station Ezăreni or on some private farms in Moldova. The training activities of our

students are hosted by the research station Ezăreni, the practice training centre Făcăieni and Plaiul Șarului. Moreover, further training is offered by renowned agricultural farms, food industry companies, as well as environmental protection agencies from the NE region of Romania.



LIBRARY



The USAMV Library in Iasi has a scientific and encyclopedic profile and ranks as one of the central university libraries of the city. Its history is closely intertwined with that of the university itself. The Library was initially established for the Faculty of Agricultural Sciences, which was based in Iasi and Chisinau.

Recently extended and modernized, the library functions in a newly refurbished space spanning on four levels with a space covering 1.350 square meters. It comprises 3 Reading Rooms with 140 seats available for users and a Multimedia & Internet Room with 36 PCs, ensuring comfortable study and research conditions.

The total fund (books, periodicals, papers, courses, electronic items) of the Library comprises 93,774 volumes. The Library has a network of 92 national and international exchange partners, sending and receiving a variety of scientific publications. The online ANELIS database can be easily accessed from the Library's website and offers the latest information on various domains of scientific research.

It also houses a wide collection of rare patrimony books dating back from the 18th and 19th century. Among the oldest publications we mention here specialized books, dictionaries and encyclopedias printed abroad starting with the 18th century.



INTERNATIONAL RELATIONS

The Faculty of Agriculture has established solid partnership relations with leading universities from 16 countries in Europe, Africa, Asia and North America.

These cooperation agreements provide for academic members and students opportunities for study and research work abroad.

The International Relations Office manages the international cooperation agreements and EU programmes (e.g. Erasmus+) providing assistance and relevant information to incoming and outgoing students, teaching and research staff.



ENROLMENT PROCEDURES



The Enrolment is organized by the Faculty according to its own regulations and criteria enforced by the Ministry of Education and Research. Eligible candidates are high school graduates with a baccalaureate degree (or its equivalent), Romanian or EU-citizens; citizens from EEA countries (Iceland, Liechtenstein, Norway) as well as from Switzerland enjoy the same treatment as EU nationals.

Admission to our university is based on the selection of application files. The selection criteria for all specialisations, other than the grades obtained at the Baccalaureate, are the following:

- Romanian language and literature: 50%
- Any other written examination paper at the candidate's own choice: 50%



STUDENT LIFE

The Faculty of Agriculture provides accommodation to all students, since university campus is just a few steps away from the four faculties. Our university has four modern residential halls connected to the Internet, cable TV, equipped with cooking facilities and washing machines. The number of accommodation places available is approximately 1,500. Inside the campus there are health care facilities for students.

Students can eat their lunch at the cafeteria-restaurant located near the University campus and famous for the products it offers. It was refurbished and modernized in 2008, and it covers an area

of approximately 800 square meters having a capacity of 350 seats.

For sports oriented staff and students, there is a complex consisting of 2 halls and 3 sports fields, to which we also add two football fields, a mini soccer field, two artificial tennis court yards a racing track, a floodlighting system, and even a rugby field and sauna.

In short, one can say that the young people studying at the University of Agricultural Sciences and Veterinary Medicine have an entire "mini-town" at their disposal.



STUDENT LIFE



Students have always been encouraged to get involved in extra-curricular activities, be they sportive (football, tennis, volleyball, horse jumping and ridding competitions), artistic (Mugure-lul, the student ensemble of folk dances), or professional (Agronomiada).

Agronomiada is one of the most important competitions for our students, with a long tradition, organized each year in one of the five academic centers with agronomic profile in our country (Iasi, Bucharest, Timisoara, Cluj-Napoca and Craiova).

The students are also involved in scientific debate groups, clubs, cultural and environment protection activities.

Iasi, documentarily attested in 1408, is one of the oldest Romanian cities, almost destined to be cradle and landmark of the Romanian people.

Iasi is the city of cultural vocation that linked the destinies of two geniuses of our literature, Mihai Eminescu and Ion Creanga. Fathers of language and forgers of faith like Varlaam, Dosoftei, Grigore Ureche, Miron Costin, Nicolae Milescu-Spatarul, or the Enlightenment and encyclopaedic spirit of the Berlin Academy member Dimitrie Cantemir have sprang from the magical sap of this blessed place. To say nothing of other illustrious scholars, such as Emil Racovita, the world-famous naturalist, the founder of biospeleology, North Pole expeditionist and the first Romanian scientist ever to explore the South Pole. Iasi was also an academic starting point for the 1974 Nobel laureate in physiology and medicine, George Emil Palade.

Iasi prides itself with the first clock installed in Romania, in 1638. The first theatrical performance within our cultural space was also released in Iasi, in 1816. Iasi has the oldest and most beautiful

theatre in Romania. Its backcloth, unique in Europe, impresses with grandeur and beauty. Iasi is the city of music and Moldova National Opera House and Concert Hall both testify this. The first medical publication in Romania, a surgical magazine was also printed in Iasi, in 1887.

Iasi boasts one of the largest and oldest libraries in the country, the Central University Library "Mihai Eminescu" which houses over three million invaluable volumes. Churches, monuments, and the Metropolitan Palace, complete the spiritual and cultural wealth of the city. Iasi, the spiritual and cultural treasure, has received many nicknames over the time, which may constitute additional arguments and provide sufficient answers to the question 'Why choose Iasi?'

The historian Nicolae Iorga said: "He who has never been here cannot come to understand the pages of the most beautiful chronicles, cannot rightfully sense the spirit of our past that lives more vividly and richly than anywhere else."





FACULTY OF AGRICULTURE IASI

3, Mihail Sadoveanu Alley

700490, Iasi, Romania

Telephone: 0040 232 407503

Fax: 0040 232 219175

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