



# UNIVERSITY OF FORESTRY – SOFIA, BULGARIA



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# UNIVERSITY OF FORESTRY SOFIA

The **University of Forestry** in Sofia trains students in many life science and technology areas: engineers in forestry and forest use, woodworking and furniture production, ecology and environmental protection, industrial management, landscape architecture. It also trains veterinary surgeons and agronomists. Since 1996/1997 the University of Forestry has introduced B. Sc., M.Sc. and Ph.D. stages and since 2004/2005 the European Credit Transfer and Accumulation System (**ECTS**) was introduced.



# STRUCTURE

**Today the University of Forestry has six faculties:**

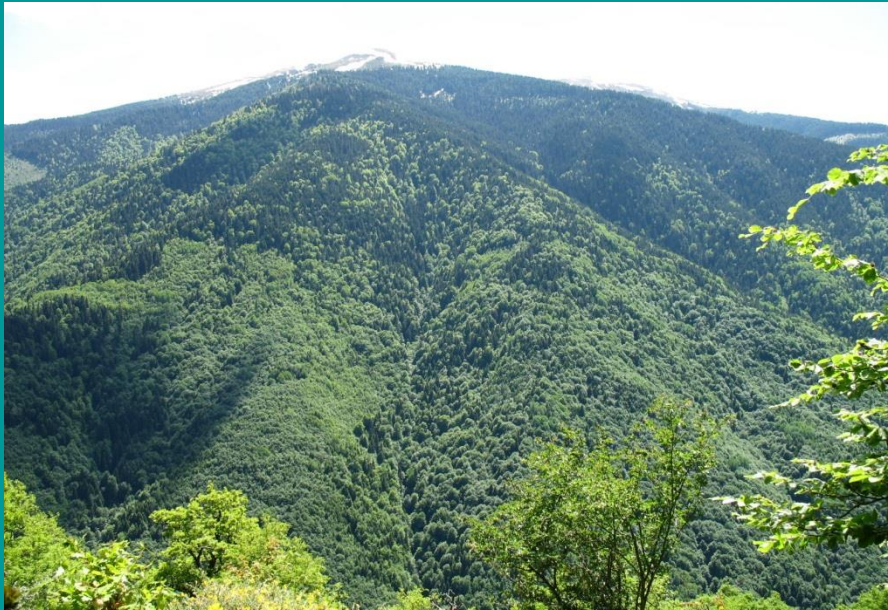
- **Faculty of Forestry**
- **Faculty of Forest Industry**
- **Faculty of Ecology and Landscape Architecture**
- **Faculty of Agronomy**
- **Faculty of Veterinary Medicine**
- **Faculty of Business Management**



## FACULTY OF FORESTRY

### **Subject: Forestry**

The students can get a B.Sc. degree in Forestry, M.Sc. degree in various fields, and Ph.D. degree in the broad field of forest sciences.



# FACULTY OF FORESTRY

## Main research areas



- Biology and ecology of forest trees
- Propagation of forest trees
- Sustainable management of forest resources
- Management of game populations
- Establishment of vigorous fast-growing plantations
- Forest genetics and tree breeding
- Plant physiology
- Forest protection
- Enhancing of forest productivity
- Technologies: afforestation, nursery production, logging and transport

# FACULTY OF FOREST INDUSTRY

**Subjects: Woodworking  
and furniture production,  
and Engineering design**

**Main research areas:**

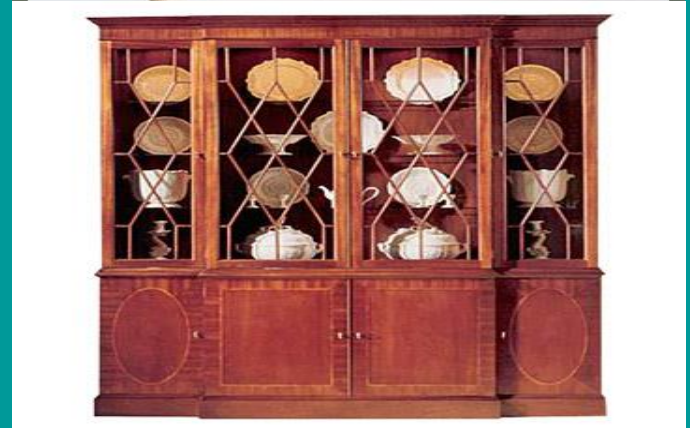
- Modern technologies for timber processing
- Woodworking machinery and automation systems
- Improving the quality of wooden products



# FACULTY OF FOREST INDUSTRY

## Main research areas (Ctd):

- Wood structure and properties
- Technology of particle boards and fiber boards
- Technology of veneer production
- Technology of lumber production
- Interior and furniture design
- Furniture production technologies



# FACULTY OF ECOLOGY AND LANDSCAPE ARCHITECTURE

**Subjects: Ecology and Environmental  
Protection, and Landscape Architecture**



Since the job of the ecologist includes a wide range of activities, students are trained to participate directly into the nature protection: conservation and management of natural habitats and their biodiversity. They are trained also in urban ecology, air, water and soil protection, and proper use of natural resources. The B.Sc. studies can be followed by M.Sc. and Ph.D.



# FACULTY OF ECOLOGY AND LANDSCAPE ARCHITECTURE

This is the only place in Bulgaria training students in Landscape Architecture. The students are taught to design, organize and manage landscapes, parks and gardens.



# FACULTY OF ECOLOGY AND LANDSCAPE ARCHITECTURE

## Research

### Ecology

- Structure and function of the natural ecosystems
- Environmental monitoring and assessment
- Climate change and its ecological consequences
- Restoration of destroyed land by means of biological re-cultivation



# FACULTY OF ECOLOGY AND LANDSCAPE ARCHITECTURE

## Research

### Ecology

- Biodiversity conservation and protected territories
- Soil erosion control
- Water, air and soil pollution
- Ecological problems of the settlements



# FACULTY OF ECOLOGY AND LANDSCAPE ARCHITECTURE

## Research

### Landscape architecture

- Design of parks and gardens
- Green systems and green areas
- Ornamental plants – propagation and use
- Natural landscapes protection
- Urban planning
- Recreation



# FACULTY OF BUSINESS MANAGEMENT

**Subjects: 1) Business Management; 2) Alternative tourism**

The research in the Faculty is directed to all aspects of management and marketing. Particular attention is given to the economics and management of natural resources and the sustainable development. The Faculty is organizing each year a widely recognized international scientific conference “Management and sustainable development” .



# FACULTY OF VETERINARY MEDICINE

## Subject: Veterinary Medicine

The training of students in Veterinary Medicine aims to better the health and welfare of animals and humans by providing innovative, multi-disciplinary educational programs to train veterinarians and biomedical scientists; contributing to the prevention and control of animal disease; and administering and maintaining a strong commitment to specialized veterinary medical care and service.



# FACULTY OF VETERINARY MEDICINE - Research areas

- Anatomy, cytology and histology of animals
- Animal genetics and breeding
- Diseases
- Feeding
- Embryology and reproduction
- Immunology
- Pharmacology and toxicology
- Surgery
- Technology and control of the food of animal origin



# FACULTY OF AGRONOMY

**Subjects: Agronomy  
and Plant Protection**

The B.Sc. degree may be followed by a M. Sc. and Ph.D. degree in the fields of Agronomy, Plant Protection, and Breeding of Crop Plants.





# FACULTY OF AGRONOMY

## Main research areas

- Genetics and breeding of crop plants
- Horticulture
- Viticulture
- Plant protection
- Seed production
- Ecological agriculture
- Agroforestry systems



# BOTANICAL GARDEN

Established in 1964. Main objective - to serve as a tool in the education of the students, but it is also a base for research on the biology, ecology, taxonomy and introduction of plant species and for “ex situ” conservation of some rare plants.



# TRAINING AND EXPERIMENTAL FOREST RANGES

## Yundola

The forest vegetation here consists mostly of coniferous forests with a rich species composition. Students perform practical training in various subjects of the forestry science. The dormitory offers good conditions for work and rest and there are several conference halls equipped with modern facilities.



# TRAINING AND EXPERIMENTAL FOREST RANGES

## Barziya

Situated in the zone of Beech forests. Except the rich and productive forests, there are various facilities, like bee and rabbit farms, orchard for forest fruit plants, timber processing factory and game stock provide good basis for training and research



# INTERNATIONAL COOPERATION



THANK YOU FOR THE  
ATTENTION!