



Gorgan University of Agricultural Sciences and Natural Resources (GUASNR), is the first higher education institute in Iran specializing in Agricultural Sciences and Natural Resources.

GUASNR is trying to achieve the set goals and qualities through providing a wide range of undergraduate and postgraduate programs in many fields leading to B.Sc., M.Sc. and Ph.D degrees. Today the GUASNR consists of 179 full-time academic members and a number of part-time and adjunct professors and affiliated members. The University has about 4375 students among them 38% are graduate students.

The University has 9 faculties with a total of 23 departments at 2 different campuses. GUASNR, as the first and main teaching and

research university in agricultural sciences and natural resources in Iran, offers 23 undergraduate and 80 post graduate programs. In addition, GUASNR publishes 11 national and 3 international scientific journals.

The university is actively cooperating internationally by hosting international meetings, excursions, joint research works, etc.





# Faculty of Forest Science

The Faculty of Forest Science is the home of two departments, Forestry, and Silviculture and Forest Ecology. Forest road construction, cartography, forest harvest and utilization techniques, forest management, forest economics, forest measurement, remote sensing and geographical information systems are the main research interests of academics of Department of Forestry. The academics of the Department of Silviculture and Forest Ecology pursue their research and teaching focus in the fields of silviculture, forest ecology, arboriculture, forestation, forest nurseries, forest breeding and genetics, forest biotechnology, forest pathology and seed technologies.

The faculty also manages Shastkalah forest with an area of 3700 ha of which about 1000 ha is old-growth virgin forest.

The faculty enjoys a modern laboratory for remote sensing and GIS, where the students at different levels can learn these exciting and very much needed sciences and technologies. There are also several laboratories specializing in forest soil analysis, forest pathology, forest genetic, forest ecology, forest ecophysiology, forest measurement and seed testing laboratory.





# Faculty of Wood and Paper Engineering

The Faculty of Wood and Paper Engineering is composed of two departments of Wood Engineering and Technology, and Pulp and Paper Technology. Academic staffs are mainly involved in research areas of wood composites, wood engineering, nondestructive evaluation of wood, wood preservation, wood mechanics, and pulp and paper technology, printing & packaging, paper recycling, biorefinery, and Nano-biomaterials and Nano-biocomposites engineering.

The Faculty is equipped with several specialized labs covering wood anatomy and physics, wood mechanics, wood chemistry, pulping technology, paper fabrication, pulp & paper testing, paper converting, paper recycling,



wood biology, wood composites, wood preservation, wood modification, wood NDT and wood surface quality and sustainable nano-biomaterials. A pilot kiln for lumber drying with a capacity of 6 cubic meters and a large wood industry workshop situated in the main campus enrich the facilities managed by the faculty.





# Faculty of Range and Watershed Management

Three departments of Rangeland Management, Watershed Management and Desert Management are now working under this Faculty. This faculty offers various courses in the fields of rangelands, watersheds, and arid zones in the academic levels of BSc, MSc and PhD programs. The faculty is equipped with appropriate teaching and research facilities including laboratories (hydrology and soil erosion, geomorphology, range ecology and herbarium), geomatic center and computer center, as well as a research farm.



# Faculty of Fisheries and Environmental Sciences

This faculty is composed of two departments of Fisheries and Environmental Sciences. This faculty carries out educational and research activities related to aquaculture, fishing technology, fish processing, fresh water and marine ecology, environmental and wildlife management and offers BSc, MSc and PhD degrees at various programs. The faculty is equipped with eight laboratories including fish processing, fishing, hydrobiology, fish genetic, closed circulation aquaculture, wildlife and taxidermy, one geomatic center and two computer centers.



# Faculty of Agricultural Management

Faculty of Agricultural Management is composed of two departments of Agricultural Economics and Agricultural Extension and Education and located in the new campus of the University. The mission of Agricultural Economics Department is to provide and develop required skills for students to analyze market and technical forces affecting the agricultural sector and to make informed business decisions.

The mission of Department of Agricultural Extension and Education is to develop, support and lead the professionals in agricultural extension and education and disseminate practical knowledge and technology to help agricultural and rural development through outreach programs. Both departments offer programs in BSc, MSc levels.



# Faculty of Plant Production



This faculty is composed of four departments of Agronomy, Plant Breeding and Biotechnology, Horticulture and Plant Protection.

Department of Agronomy was established as the first department of faculty of Agricultural Sciences. The main purpose of department is to train students for professional careers and to manage research programs in the area of crop production, crop physiology, agro-ecology, weed science, seed science and technology.

Department of Plant Breeding and Biotechnology has seven equipped laboratories including plant breeding, basic and molecular genetics and proteomix.



The department offers different courses in BSc, MSc and PhD levels. Department is involved research ranging from basic molecular projects to field oriented projects.

Department of Horticulture was established in 1995 and began its academic activities with offering BSc program in Horticultural Sciences. Four basic fields of research including medicinal plants, ornamental plants, pomology and vegetable crops are currently offered to the interested students. The department has equipped laboratories of biotechnology, tissue culture, postharvest physiology and plant analysis.

The department of Plant Protection was formerly a part of Agronomy and Plant breeding department. The academics of the department have been active in training BSc students since 1994, MSc students since 2002 and PhD students since 2012. The Department of Plant Protection includes two disciplines of Plant Pathology and Entomology.

# Faculty of Food Science and Technology

The original program of Faculty of Food Science and Technology began in 1994 when the Department of Food Science and Technology was established under the Faculty of Agricultural Sciences. In 2010, the Food Science and Technology Department was upgraded to Faculty of Food Science and Technology with two individual departments of Food Science and Technology and Food Process Engineering.



The Faculty is equipped with three specialized labs entitled Food Microbiology, Food Processing and Food Analysis, which benefit from various equipments such as texture analyzer, freeze drier, refrigerated centrifuge, spectrophotometer, viscometers, rotary evaporator, spray dryer and etc.



The faculty is composed of two departments of animal and poultry nutrition and animal and poultry physiology and is expecting to set up two new departments namely animal and poultry breeding and animal husbandry management.

There are four laboratories of animal nutrition, animal physiology, animal genetics and biotechnology and microbiology at the faculty for teaching and research projects.

# Faculty of Animal Science

# Faculty of Water and Soil Engineering



The Faculty of Water and Soil Engineering is home to 3 departments called Water Engineering, Soil Science and Biosystem Engineering.

Department of Soil Science began its activities from 1994 with offering Bachelor of Soil Science. At the moment the department offers all BSc, MSc and PhD programs. The department is equipped with 6 labs and Atomic Absorption Spectroscopy and XRD equipments.

Department of Water Engineering started its activity in 1994 with 22 Bachelor students in Irrigation Engineering when it was part of Faculty of Agricultural Sciences. The department has set up equipped laboratories in BSc, MSc and PhD levels. Department of Biosystem Engineering offers undergraduate and graduate programs in Biosystem Engineering. The department has also been involved in design fabrication or repair of several instruments of the whole University.

