UFRGS’ Academic Units

Biological and Health Sciences
History and Structure
Founded on October 10th, 1898, the Faculty of Dentistry began its activities in a gymnasium basement room linked to the Medical course, where the Savigné School is located today. Due to the Dental Course lack of interest in Rio Grande do Sul, the course was closed in 1922 and reopened in 1932, as a result incentivized by Dr. Belisário Pena, Minister of Education. The desired autonomy was reached in 1952, by the Federal Act 30.943, when the Faculty of Dentistry was incorporated as an independent institution in UFRGS. The Faculty of Dentistry building has maintained its own library since 1961. Over the years, the Library has pursued the technological advances in the field through the service improvements provided to its patients, offering the most modern resources available in specialized Dentistry technology and related fields.

Undergraduate Programs
UFRGS offers 2 options in Undergraduate Programs: one daytime and one evening. The course lasts for 10 semesters and the latter comprises 16 semesters. The students are encouraged to attend additional activities to improve their knowledge.

Graduate Programs
UFRGS offers 3 Dentistry Graduate Programs:
1 - Graduate Specialist Training;
2 - Master of Science Program;
3 - Doctorate Program (PhD)

Specialist Training:
- Pedodontics;
- Operative Dentistry
- Endodontics;
- Periodontics;
- Dental Prosthesis;
- Oral Radiology
- Orthodontics

Masters
Teacher/Researcher Formation Core Curriculum:

Doctorate
Teacher/Researcher Formation Core Curriculum:
Advanced Literature Seminar, Advanced Biostatistics, Epidemiology.

Extension and Research
Extension courses:
- Functional Occlusion – Centric Relation – Occlusal Adjustment;
- Urgency in Pediatric Dentistry;
- Interdisciplinary Dental Clinic;
- Health maintenance in Interdisciplinary Clinic;
- Dental Care to special needs patients
Caso/Facodont/UFRGS;
- Interdisciplinary Action in Health Education;
- 'Baby-Clinic' of UFRGS Faculty of Dentistry
Faculty of Dentistry

Research Areas:
- Diagnosis of Oro-Facial Disorders;
- Oral Cancer;
- Biomaterials and Therapeutic Techniques in Dentistry;
- Epidemiology, Etiopathogenesis and Repercussion of Oral Cavity and Annex Structures Diseases.
The Faculty of Veterinary is comprised of several sectors that operate in the disciplines of the course and serve the community and institutions.

**Sectors**

**Laboratory Animals**
- Wild Animals
- Bacteriology
- Surgery
- Embryology
- Entomology
- Rural Extension
- Large Ruminants
- Helminthology
- Immunology
- Artificial Insemination

**Meat Inspection**
- Milk Inspection

**Laboratory of Veterinary Clinical Analysis**

**Laboratory of Molecular Biology**
- Mycology
- Pathology
- Avian Pathology
- Small Animal
- Small Ruminants
- Preventive
- Protozoology
- Reproduction
- Semiology
- Swine
- Virology

The Faculty of Veterinary, like other units of UFRGS, is structured on department basis: VET01 - Animal Medicine, VET02 - Preventive Veterinary Medicine, and VET03 - Veterinary Clinical Pathology.

**VET01 - Department of Animal Medicine**

**Disciplines**
- VET01001 - Small Ruminants Medicine
- VET01002 - Large Ruminants Medicine
- VET01003 - Animal Medicine Vivarium and Small Breedings II
- VET01120 - Veterinary Semiology
- VET01122 - Avian Medicine
- VET01123 - Swine Medicine
- VET01124 - Animal Medicine Vivarium and Small Breedings
- VET01231 - Equine Medicine
- VET01324 - Surgical Techniques
- VET01325 - Medicine of Cats and Dogs
- VET01326 - Breeding of Cats and Dogs
- VET01327 - Wildlife Animals Medicine
Faculty of Veterinary

VET02 - Department of Preventive Veterinary Medicine

Disciplines
VET02224 - Preventive Veterinary Medicine
VET02227 - Inspection and Techniques of Milk, Dairy Products, Eggs and Honey
VET02228 - Inspection and Techniques of meat, fish and derivatives
VET02229 - Veterinary of Public Health
VET02230 - Rural Extension
VET02233 - Ecology Applied to Veterinary
VET03 - Clinical Veterinary Pathology Department
Disciplines
VET03001 - Introduction to Veterinary Medicine
VET03002 - Veterinary Toxicology
VET03003 - Ethics, Law and Marketing
VET03004 - Pathology I
VET03005 - Pathology II
VET03121 - Biochemistry and Clinics of Hematology
VET03223 - Veterinary Immunology
VET03225 - Clinical Microbiology
VET03226 - Parasitological Clinic
VET03321 - General Veterinary Pathology
VET03322 - Special Veterinary Pathology
VET03323 - Artificial Insemination

Masters and Doctorates
The Faculty of Veterinary has two Graduate programs, both with Masters and PhD.
The Graduate Program in Veterinary Sciences, founded in 1969, is the second oldest in Brazil.
In 2009 the Graduate course of Animal Medicine was created and it was the first program with Masters and PhD exclusively for Equine in Brazil.

Specialization
Graduate Specialization course on Veterinary Analytical Clinic.

Research
The Research Committee has the power to propose to the Council of the Unit activities related to research, consult, to monitor and evaluate the implementation of plans, programs and research projects developed in the Unit, and perform the other duties stated in the faculty rules.
For information about the Ethics Committee on Animal Use, go to the Propesq website and, in the left menu, Commissions and Committees.

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School of Nursing at the Federal University of Rio Grande do Sul is the pioneer in Southern Brazil. It was founded by Dr. Luiz Francisco Guerra Blessmann, who furnished the Special Public Health Service which incentivized the nurses and Professors, Maria de Lourdes Verderese and Olga Verderese to initiate a Nursing Faculty in Rio Grande do Sul. It remained attached to the Faculty of Medicine until July 16th 1968, when it became independent.

Undergraduate Program
- Bachelor’s Degree in Nursing
- Analysis of Health Policies and Systems
- R.N. Nursing Degree

Graduate Program
- Specialization
  - Adult and Pediatrics Oncologic Nursing
  - Pediatrics Nursing
  - Management of Nursing Services
  - Nursing in Adult and Pediatrics Urgency and Emergency
  - Mental Health Nursing
  - Occupational Health Nursing
  - Public Health Nursing
  - Nephrology Nursing
  - Intensive Therapy Nursing
  - Neonatology Nursing

Objectives of the Nursing Doctorate Program:
1. Graduating qualified Doctorate level individuals for teaching and researching activities in Nursing and Healthcare.
2. Producing knowledge and develop new technologies in Nursing and Healthcare fields so as to respond to social needs and influence changes in the health care systems.

Profile
High qualified professionals, with skills and experience in research, who use theoretical-methodological tools from the Fundamentals and Best practices in Nursing and Health, in addition to working on building human resources, in college education and in the production of regional, national and international Research.

Nursing Master Program Objectives:
1. Instruct qualified Masters with educational activities and dedication to Nursing and Health research activities.
2. Graduating Masters capable of reflection and generation of theoretical framework and technologies for health, in order to reinforce Nursing research, education and work.

UFRGS’ Graduate Programs in Nursing offers Doctorate and Academic Master Courses. It began in 1998, with the Academic Master Course. In 2006, the first Doctorate group was initiated.

Objectives
PPGENF’s objectives are to provide the student with a constructive environment offering a solid base in Nursing and Health fields; to consolidate the development of scientific methodology; to promote the production and the expansion of advanced knowledge in this area.
School of Nursing

Research lines

- Policies and Practices in Health and Nursing
- Health and nursing management and work organization
- Health promotion, education and assessment in nursing
- Concentration area nursing and healthcare
- Nursing care for women, children, adolescent and family's health
- Care technologies in nursing and health
History

UFRGS Faculty of Pharmacy (Facfar) was founded on September 29th 1895, being the academic educational unit that originated UFRGS. At that time the School of Pharmacy was the second liberal academic course in the country in this area. This pioneer spirit led to the implementation in 1970 of the Graduate Course in Pharmacy, the first Master Course in medication area of Brazil. In 1992, the Doctorate Course began and, in 2000, the Specialization Course in Clinical analysis was instituted, together with Porto Alegre Clinical Hospital (Hospital de Clínicas). Regarded on the international level, it has noted scientific-academic cooperation with Universities from Germany, The United States, France and The Netherlands, in addition to the integration of the Faculty of Pharmacy in the Mercosul Academic System, through the Montevideo Group Universities Association. Since its foundation, the interaction between the Faculty of Pharmacy and the society is a characteristic of the Unit, establishing partnerships with governmental sectors in the health field, on federal, state and municipal levels, as well as attending specific population demands in the area of clinical analyses and newborn screening.

Graduate Programs

Pharmaceutical Sciences Graduate Program (PPGCF)

Lines of Research:

1. Investigation of Therapeutic Targets and Biomarkers
2. Prospection, Synthesis and Biological Assessment of Pharmaceutical Molecules of Interest

The Program is interested in receiving foreign graduate students for exchange research and studies. Contact: ppgcf@ufrgs.br

Academic Master's Degree

PPGCF/UFRGS, created in 1970 only as an Academic Master’s Course and accredited by the Federal Education Board in 1973, pioneered the field of drug and medicine investigation in Brazil. Until August 2010, 374 students graduated in this course. It’s a pre-essential course, taking from 12 to 24 months to conclude. The student has to present a master’s thesis in order to receive the degree.

Professional Master’s Degree

There are two Professional Master’s Degrees at PPGCF: Pharmaceutical Care Management and Technological Development and Quality Control of Pharmaceutical Products. The Course was accredited by UFRGS and the Ministry of Education and recognized by CAPES in 2002. It encompasses pre-essential activities, concentrated during certain periods of the year – usually one week a month - and the conclusion of a master thesis or other project designed to focus specific issues in the student’s work place.

Doctor’s Degree

The doctoral course initiated its activities in 1992. Until August 2010, 73 Doctors graduated from the Program. Nowadays the course has enrolled around 60 doctoral students. It’s a pre-essential course, taking from 24 to 48 month to conclude. In order to receive the degree the student has to defend a doctoral dissertation before an evaluating committee and be approved.
Faculty of Pharmacy

Teaching and Research

Laboratories:
- Phytochemistry
- Pharmacotechnique
- Medicinal Organic Synthesis
- Biochemistry
- Homeopathic Pharmacotechnique
- Toxicology
- Pharmaceutical Technology
- Biochemical analysis
- Botanic
- Parasitological analysis
- Cosmetic
- Microbiological analysis
- Immunological analysis
- Vegetal Biotechnology

Research

The research accomplished in the Faculty of Pharmacy represents a big step in the pharmaceutical area, both in medication development and the clinical analysis field.
History

The Faculty of Medicine was founded on July 25th 1898, initially named faculty of Medicine and Pharmacy of Porto Alegre. The course began its activities in 1899 and constituted the third medical school in Brazil, preceded only by the Schools of Medicine from Salvador (Bahia) and Rio de Janeiro, founded in 1808.

In 1924 it was inaugurated in the building located at Sarmento Leite Street. This very rich architectural work has marked its image until today, it hosted the Faculty for 50 years, until 1974. From that year on, with the conclusion of the Clinical Hospital (Hospital de Clínicas), most of the departments were transferred to this location, creating the structure that remains until today. The old building of Faculty of Medicine it is now working the Bioscience Institute and the Fundamental Health Sciences Institute, where the basic disciplines are held.

At the Clinical Hospital a broad structure of laboratories is offered to the students, that consist of Technology, Surgical Technique, Nutritional Assessment, Clinical Skill and Dietary Technique. Moreover, they can pursue their studies and research at the FAMED/HCPA Library, located at Ramiro Barcelos Street, 2400, 3rd floor.

Undergraduate Programs:

Medicine:

Objectives: The course focuses on general student formation in medicine, enabling them to care for pregnant, child, adult and elderly health; rendering assistance to the most predominant health problems and forwarding the most complex levels properly; establishing an adequate professional relation with patients, families and the community, respecting ethical norms; assessing scientific work, elaborating and executing research projects, and of continuing their medical education autonomously.

In order to fulfill the Medicine course curriculum, that requires 598 credits.

Nutrition:

The course focuses on general student formation in nutrition, enabling them to practice guided by ethical principles, in all areas where Nutrition and feeding are fundamental to the promotion and recovering of health and to prevent individual or population group diseases, contributing to the improvement or maintenance of quality of life. Students are also expected to work intensively in research and extension.
Faculty of Medicine

The main areas of function are:
Clinical Nutrition; Collective Feeding, Public Health;
Food Industry; Nutrition in Sports.

Graduate Programs:
Cardiology;
Medical Sciences;
Surgery;
Endocrinology;
Epidemiology;
Gastroenterology;
Child and adolescent Health;
Pulmonology;
Psychiatry;
Presentation

On December 29, 1958, the Institute of Food Science and Technology – ICTA was instituted by the Federal University of Rio Grande do Sul’s Academic Council, and it became the first institute of Food scientific research in Brazil. The ICTA is located in a building that occupies a 2,830m² area, and it is occupied by the Food Science and Food Technology Departments, which attend the Food Engineering, Nutrition, Pharmacy, Agronomy, Chemistry Engineering, Chemistry and Biomedicine undergraduate courses.

Since 1999, together with MEC (Education Ministry), the Institute has suited and adapted the infrastructure in order to attend the Food Engineering course, which is located in ICTA. Since 2000, ICTA offers the community a Food Science and Technology specialization course which is now on its fifth edition.

In November 2004, the Master's Degree Food Science and Technology graduate course program was approved by CAPES, and, in March 2005, its graduate activities scope began.

Traditionally, ICTA has concentrated its performance in applied knowledge capacity, in processes, storage and distribution technology improvement, and also in upgrading and standardization of food production quality control methods. With this principle along
Undergraduate Program
ICTA is responsible for hosting the Food Engineering course, and its Departments are also responsible for offering undergraduate subjects for several courses from our University (Pharmacy, Agronomy, Chemistry Engineering, Chemistry, Nutrition and Biomedicine).

Graduate Program
Since 2005, the ICTA, offers Food Science and Technology Master's Degree.

Research
The research in ICTA is coordinated by the Research Commission – COMUESQ – and it is structured into two main research lines: Food Quality and Food Bioprocess. It develops food alternative works, supercritical extraction, packing, besides technological innovations of process, product, management, quality and product control.
History
In 1970 the Institute of Biosciences was created through a meeting of the chairs of the Basic Sciences in the Courses of Medicine, Pharmacy, Odontology, Nursing, Veterinary Medicine, Agriculture, Physical Education and the chairs of the former Institute of Natural Sciences related to the Faculty of Philosophy, Sciences and Linguistics.
In 1996 the Institute of Biosciences division was approved. It was then divided in two parts: the Institute of Biosciences and the departments related to biology, and the Institute of Basic Health Sciences, which was linked to the medical field. However, the separation was mainly due to location, since the biological departments wanted to be located on the Valley Campus and the health ones wanted to remain on the central campus that then became the Medical Campus.
The Institute of Biosciences is currently consists of the six following departments: Biophysics, Botanics, Molecular Biology and Biotechnology, Ecology, Genetics and Zoology, besides the Sectorial Library, the Ecology Center and the Center for Coastal Studies, limnology and marine that constitute its auxiliary branches.

The Institute has an undergraduate course called Course of Biological Sciences - Degree and Bachelor's degree, with "Environmental" and "Molecular, Cellular and Functional" emphasis. Besides the undergraduate courses, the Institute of Biosciences has four graduation courses, all with Master's and Ph.D. (Botanics, Ecology, Genetics and Molecular Biology and Animal Biology).
The Unit is located in an area of 15,000 m², in the Valley Campus at UFRGS in Porto Alegre. In addition there is the Center for Coastal Studies, limnology and marine in Imbé (City) / Rio Gande do Sul, with 1810 m² of work area.

The Biosciences Institute mission is to further its proposal stated in the University's General Statute that is expressed in Article 2 of the Rules of Procedures which states: "The Institute of Biosciences focuses on the development of education, researching and extension activities by its professors, students and technical-administrative in the area of Life Sciences, and their integration with other fields of knowledge".

Undergraduate programs

BIOLOGICAL SCIENCES
The course is divided into licensee and bachelor degrees in environmental and molecular emphasis.
The course trains and technically enables the Biologist professional (Law 6684 of 09.03.1979), registered professional board of the region - CRBio3 (RS, SC, PR). The fields of expertise including professor, autonomous, employee with the application of the knowledge of the biological sciences within their field of specialty and in accordance with the curriculum effectively accomplished.

BIOTECHNOLOGY
The Undergraduate Program in Biotechnology from UFRGS, Bachelor degree, was created in 2009 being the first admission of students in the entry exam of 2010 (vestibular).
With a strong emphasis on Molecular and Cellular Biology, Bioprocesses and Biotechnologies, the professional trained in Biotechnology at UFRGS will occupy a space between various professions, acting as integrator among areas like Physics, Informatics and Life Sciences.
Institute of Biosciences

Working Fields
Academics Graduated from Biotechnology Course will have job opportunities in new areas such as genomics, proteomics and metabolomics, bioinformatics, transgenic microorganisms, plants and animals, identification and analysis of genetically modified organisms, or derivatives, DNA analysis for studies genetic, taxonomic, forensic or analytical, synthesis and application of new biodegradable polymers or biological origin, production of other biomaterials for different purposes, biofuels and bioremediation of water, soil, industrial effluents and others.

Graduate Programs
Graduate Program in Animal Biology
Graduate Program in Botanic
Graduate Program in Ecology
Graduate Program in Genetics and Molecular Biology