

DEPARTMENT OF BIOLOGY



The Department of Biology offers a leading undergraduate program that encompasses four emphases in Biological Sciences: Environmental Sciences, Molecular and Technology, Evolutionary Biology and Licentiate degree. The course addresses the increasing demand for specialized professionals on priority areas related to the environment, industry and teaching. Undergraduate training is available across the full spectrum of modern biological investigation from molecular and organismal biology to ecosystems, unified by a strong focus on the evolutionary underpinnings of life at these different levels. Faculty members are grouped into four primary emphases, each of which have a corresponding research line and specific disciplines.

The bachelor degree has a minimum duration of nine semesters and the licentiate course, a minimum of eight semesters. The total duration of all degrees is five years. The curriculum provides the possibility to attend the Basic Cycle (common for all emphases and licentiate course) and the Specific Cycle.

The Department also provides the students the opportunity to access two Graduate Programs: Comparative Biology and Entomology. The Comparative Biology program emphasizes the comprehension of the evolutionary history of organisms, its phylogenetic inter-relationships and the adaptive mechanisms to the respective environments. The Entomology program focus on several areas of the study of insects, such as ecological entomology, evolution and taxonomy, behavioral biology and integrated pest management. For more information, please visit our web page: <http://www.ffclrp.usp.br/departamentos/biologia/#inicio>

DEPARTMENT OF COMPUTER AND MATHEMATICS

The Department of Computer Science and Mathematics offers two undergraduate degrees: BSc degrees in Biomedical Informatics and in Mathematics Applied to Business. Professionals graduating in Biomedical Informatics interact with professionals in the medical and biological areas in order to understand their information technology demands and to propose and develop high quality computer systems to meet these demands. Professionals graduated in Mathematics Applied to Business must use their background in mathematics and statistics to propose solutions concerning

administrative, operational and financial issues in public and private institutions.



The Department also participates in two graduate programs: the Graduate Program in Bioinformatics and the Professional MSc Degree in Mathematics (PROFMAT). The Bioinformatics program aims at applying computational and mathematical techniques to generate and manage information from/for Biology and/or Biotechnology. The PROFMAT aims at improving the mathematical background of high school teachers.

The Department's current research issues include Computer Science Applied to Biosciences, Complex Systems, Dynamical Systems, Partial and Functional Differential Equations, and Stochastic Processes. For more information, please visit our web page: <http://www.ffclrp.usp.br/departamentos/computacaoematematica/ind ex.php>

DEPARTMENT OF EDUCATION, INFORMATION AND COMMUNICATION



The Department of Education, Information and Communication offers undergraduate courses as bachelor in Information Science, Librarianship and Documentation and degree in Pedagogy. Educators of Pedagogy degree collaborate with undergraduate courses in Biological Sciences, Chemistry and Music. Educational fields also offers postgraduate degree, at the level of Master of Education with two research areas: 1) Philosophical, Scientific and Cultural Foundations of Education and 2) Public Policies and Organization of Educational Work.

The Department also develops service community activities through training courses open to teachers of basic education. Courses and workshops for students of public schools through projects in collaboration with public schools and social movements are offered to improve the quality of education. Activities and projects of management, storage, organization, provision and preservation of information in various informational environments, including digital environments, are developed by the degree of Information Science, Documentation and Librarianship (CID&B). For more information, please visit our web page: <http://www.ffclrp.usp.br/departamentos/Educacao/informacaoecomunicacao/index.php>

DEPARTMENT OF PHYSICS



The Department of Physics is one of the precursors of Medical Physics in Brazil and Latin America. The Master's Degree program in Physics Applied to Medicine and Biology was established in 1986 and a Doctoral graduate program in the same field was established in 1996. The first undergraduate program in Medical Physics in Brazil was established in this department in 2000.

The Department of Physics has 20 professors and approximately 150 undergraduate and 80 graduate students, all of them in fields related to Medical Physics. Educational and research laboratories are well equipped and the students also have access to equipments and facilities in the Faculty of Medicine's hospital, where part of the education and research activities take place.

The Department of Physics has also a Center for Instrumentation, Dosimetry and Radioprotection- CIDRA. The Research Support Center in Medical Physics of the Department of Physics congregates researchers and developments with a interdisciplinary approach to the diagnosis, therapy and cancer modeling. For more information, please visit our web page: <http://www.ffclrp.usp.br/departamentos/fisica/#inicio>

DEPARTMENT OF MUSIC

The Department of Music of the Faculty of Philosophy, Science and Letters at Ribeirão Preto was founded in 2002. Since its creation, the Department of Music fosters a community of passionate and talented students who possess the self-discipline and intellectual

curiosity to succeed in music. Its history has also been marked by a strong involvement in artistic and intellectual production.



Programs of study within the Department of Music vary according to the degree sought, area of specialization, and major instrument at undergraduate level. The program of study involves a full time enrollment of eight semesters. The course is divided in two main areas of specialization: the Bachelor of Music (instrument or voice) and a Teaching Degree in Music.

The Bachelor of Music curriculum is designed to develop not only the students' performance abilities, but also their practical and academic skills. The core curriculum of this degree centers on applied lessons, ensemble participation, music theory, music history, music technology, opera production and choral activities. Instruction is offered in the following areas: piano, violin, cello, percussion, guitar, viola caipira, and voice. The Teaching Degree in Music prepares students to become articulate leaders by developing a greater understanding of learning and teaching processes. For more information, please visit our web page: <http://www.ffclrp.usp.br/musica/>

DEPARTMENT OF PSYCHOLOGY



Founded in 1964, the Department provides a structure for an education of professionals with expertise in psychology, besides the development of researching psychological fields. Its staff is composed of 38 qualified professors, hired on Integral Dedication to Teaching and Research Regime. There are also technical psychologists and laboratory technicians, in their personnel.

There are two undergraduate Programs: Bachelor

(competencies and skills for conducting basic and applied research in Psychology) and Psychology (competencies and skills to work mainly in areas such as clinical/health, educational, organizational, social, political, legal, in different contexts, producing strategies and projects, either for institutional, group or individual intervention).

There are two graduate Programs. One is on Psychobiology, which focuses centrally on behavior and its biological basis; the other is on General Psychology, working on health psychology and development, along with subjectivity and cultural processes. Both programs have an interdisciplinary approach, having a large set of research lines. For more information, please visit our web page: <http://www.ffclrp.usp.br/departamentos/psicologia/#inicio>

DEPARTMENT OF CHEMISTRY



The Chemistry Department offers both a BSC degree in Chemistry with options in Forensic Chemistry, Environmental Chemistry, and Technological Chemistry, Biotechnology and Agribusiness, and a Teaching diploma in Chemistry. These degrees provide qualifications in priority areas related to forensic and environmental sciences, industrial applications, biotechnology and high school (secondary school) teaching.

The Chemistry Department provides the opportunity for an undergraduate student to obtain a thorough fundamental knowledge of all fields of chemistry. The students are exposed to a multidisciplinary training based on a solid knowledge of chemistry, and are encouraged to develop their own areas of interest. The Lecturers in the Department are involved in both basic and applied research projects. The best way to take full advantage is to join one of the research groups as a trainee and gain direct laboratory experience.

The Department also offers opportunities to enter the Post-Graduate Program in Chemistry that aims to train and qualify human resources in the field of chemistry, and to produce scientific and technological knowledge. Post graduate qualifications at both the MSc and Ph.D. levels are offered in all sub-fields of chemistry. It reflects the diverse lines of research involving both basic and applied activities. For information about the types of research and how to graduate in chemistry at the Chemistry Department, please visit our web page: <http://prpg.usp.br/quimica-rp>



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