

Faculty of Pharmacy and Biochemistry

Specialization Courses

Specialization in Clinical Biochemistry, Area of Clinical Bacteriology
Specialization in Clinical Biochemistry, Area of Cytology
Specialization in Clinical Biochemistry, Area of Endocrinology.
Specialization in Clinical Biochemistry, Area of Quality Management and Auditing in Clinical Biochemistry
Specialization in Clinical Biochemistry, Area Hematology
Specialization in Clinical Biochemistry, Area of Clinical Chemistry.
Specialization in Bromatology and Food Technology
Specialization in Sterilization for Pharmacists
Specialization in Policies and Management of Science and Technology
Specialization in Cosmetic Production.
Specialization in Biochemical and Pharmaceutical Industries – Orientation in Development and Quality Guarantee.
Specialization in Biochemical and Pharmaceutical Industries – Orientation in Galenic Development and Pharmaceutical Production
Specialization in Policies and Management of Science and Technology

Internships

Internships in Toxicology
Internship in Clinical Biochemistry
Internship in Pharmaceutics

Teaching degree

Master degrees
MA in Medical Molecular Biology
MA in Biotechnology
MA in Bromatology and Technology of Food Industrialization
MA in the Issue of Improper Drug Use
MA in Policies and Management of Science and Technology
MA in Public Health

Doctorate

Doctorate of the University of Buenos Aires

Specialization in Clinical Biochemistry, Area of Clinical Bacteriology

General information

Director: Angela Faniglietti
Degree: Biochemist specialized in Clinical Biochemistry, Area of Clinical Bacteriology
Approximate duration: 2 years
Enrolment periods: March to November (every two years)
Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)
Telephone and fax: (5411) 4964-8214
e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To orient and consolidate the training of professionals who will have to work in the area of infectology as experts in clinical microbiology. To ensure the theoretical capacity and the operative training in order to provide practical responses in studies connected to carrying out laboratory diagnosis of infectious diseases, establishing the profiles of sensitivity to antimicrobials in use, carrying out evaluations that allow the prevention and control of transmissible diseases, taking into consideration the biosecurity issues, quality control and profitability.

To conduct and/or partake in research projects aimed at producing original knowledge in microbiology and/or control analyses of drug efficiency, evaluation of diagnostic methods or ordering of epidemiologic data.

To be prepared to initiate studies on microbiology, make tests that require immunodetection techniques, genetic and/ or cytomorphologic amplification.

Graduates will be qualified to orient general physicians on the analyses that should be performed, evaluate the quality of their work in laboratories and provide advice on the reports they generate.

Syllabus

Clinical bacteriology I (1st part), Physiopathology applied to infectious processes. Quality management clinical laboratories. Clinical bacteriology I (2nd part). Molecular biology in clinical microbiology. Biostatistics applied to the handling of data in clinical biochemistry. Infections and immunity. Clinical bacteriology II (1st part). Clinical bacteriology II (2nd part). Sanitary microbiology and biosecurity. Integrative final paper.

Specialization in Clinical Biochemistry, Area of Cytology

General information

Director: Ana María Blanco

Degree: Specialist in Clinical Biochemistry, Area of Cytology

Approximate duration: 2 years

Enrolment periods: from March to November (every two years)

Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)

Telephone and fax: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To deepen the handling of the area, within biochemistry, by broadening the capacity of professionals through an intensive training in cytodiagnosis. Graduates will be qualified to solve individual situations posed by the choice of an appropriate methodology; and prevent and detect diseases in their asymptomatic stage which implies the need of handling a vast theoretical and practical knowledge that allows for the application of updated methodologies to correct diagnosis.

Syllabus

Cytology of reproduction. Biostatistics applied to the handling of data in clinical biochemistry. Quality management in clinical laboratories. Exfoliative cytology I. Superior molecular biology. Clinical immunochemistry. Exfoliative cytology II. General virology. Exfoliative cytology III.

Specialization in Clinical Biochemistry, Area of Endocrinology.

General information

Director: Haydeé J. Benencia

Degree: Specialist in Clinical Biochemistry, Area of Endocrinology.

Approximate duration: 2 years

Enrolment periods: March to November (every two years)

Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)

Telephone and fax: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

The objectives in this course of studies are aimed at providing a continuum of the guidelines established for the undergraduate degrees and make not only a significant contribution to the training of graduates but also to broadening the areas in which biochemists can work. Besides, endocrinology has historically been a discipline with a big amount of biochemical contents. Therefore, by forming professionals highly trained in the specialty, a contribution of utmost importance is made for the participation of biochemists in teams of health professionals.

Syllabus

Biostatistics applied to the handling of clinical biochemical data. Endocrinology I. Quality management in clinical laboratories. Superior molecular biology. Endocrinology II. Clinical Immunochemistry. Endocrinology III. Endocrinological laboratory. Endocrinology IV.

Specialization in Clinical Biochemistry, Area of Quality Management and Auditing in Clinical Biochemistry

General information

Director: Marco A. Pizzolato

Degree: Specialist in Clinical Biochemistry, Area of Quality Management and Auditing in Clinical Biochemistry

Approximate duration: 2 years

Enrolment periods: consult

Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)

Telephone and fax: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

1. To incorporate the determinants connected to the area of biochemistry within the context of health and the socio-demographic indicators.
2. To develop strategies for the articulated insertion of the areas that embrace clinical biochemistry in the design of health planning.

3. To evaluate the indicators of health systems and identify the need of reordering the clinical and biochemical profiles.
4. To integrate aptitudes for the development of interdisciplinary schemes in the improvement of quality in health systems.
5. To be acquainted with the administrative aspects and the cost analysis within the planning of sanitary services.
6. To know the attributions of biochemists' attributions within the current and future frame of the health system.
7. To interpret regulations connected to hygiene, industrial health and industrial safety within the current legal frames.
8. To implement the current concepts of auditing established in the general context of the health system and of the specific area of clinical biochemistry.
9. To know the architectonic design and the functional structuring of the different types of laboratories according to the profile of their specific activities and the dominant technologies.
10. To implement the conditions necessary for the generation of human resources, their update and approaches for continuous training.

Syllabus

First term: Health problematic: its evolution in Argentina and around the world; system description and analysis; epidemiology and epidemiologic supervision. Health economy and administration: Market of health service providers; evaluation of investment projects; market analysis.

Second term: Laboratory systems: laboratories in the health system; logistics in laboratory networks; research methodology; strategic planning; organizational culture and change; information and management systems; management of human factors.

Support areas: languages (linguistic update for the understanding of texts); computer studies; statistics.

Third term: Quality management in laboratories; programming for quality control; logistics in laboratory networks; quality cost; biosafety; bioethics; epidemiology in the evaluation of health services. Auditing: auditing of health assistance; biochemical auditing.

Fourth term: Integrative seminars. Final integrative paper.

Specialization in Clinical Biochemistry, Area Hematology

General information

Director: Norma Beatriz Díaz de Domingo

Degree: Biochemist specialized in Clinical Biochemistry, Area Hematology

Approximate duration: 2 years

Enrolment periods: March to November (every two years)

Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)

Telephone and fax: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

Course description

Objectives

To achieve integral proficiency of biochemists in the area of hematological biochemistry: for students to acquire a consolidated preparation with updated theoretical and practical training necessary for developing an excellent professional competence within the area of health. To develop skills to: have access to the handling of middle complexity hematological laboratories; provide diagnostic solutions based on laboratory analysis; provide advice on the reports generated; integrate multidisciplinary teams with hematologists and doctors of other specialties so as to achieve an adequate diagnosis and evolution of patients.

Syllabus

Cytomorphology. Congenital and acquired anemia: Quality management in clinical laboratories. Superior molecular biology. Chronic and acute leukemia: morphologic aspects. Neutrophils: functionality analysis. Blood banks. Methodology of radioisotopes in hematology. Hemostats. Biostatistics applied to the handling of data in clinical biochemistry.

Specialization in Clinical Biochemistry, Area of Clinical Chemistry.

General information

Director: Regina W. de Wikinski, Marco A. Pizzolato, Gustavo Negri
Degree: Specialist in Clinical Biochemistry, Area of Clinical Chemistry
Approximate duration: 2 years
Enrolment periods: October
Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)
Telephone and fax: (5411) 4964-8214
e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

Course description

Objectives

For graduates to be qualified to apply the acquired knowledge concerning physiopathology and the methodological advances to the diagnosis and follow up of patients.

Syllabus

First term: Renal sicknesses. Water and electrolyte alterations. Clinical enzymology. Congenital errors of the metabolism. English.
Second term: Quality control. Biostatistics applied to the handling of data in Clinical Biochemistry. Laboratory administration. Diabetes. Sicknesses of the exocrine pancreas. Hepatic sicknesses. Cardiac and muscular disorders.
Third term: Arterial hypertension. Bone illnesses. Lipids and lipoproteins (dislipemia): Proteins, disproteinemia. Alterations of acid-base balance.
Fourth term: Repairing and maintenance of small laboratory equipment. Automation of clinical laboratories. Oncologic markers.
Optional modules: Scientific work methodology. Clinical immunology.

Specialization in Sterilization for Pharmacists

General information

Director: Mirta A. Franco
Degree: Pharmacist Specialized in Sterilization
Approximate duration: 4 terms
Enrolment periods: from November to February
Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)
Telephone and fax: (5411) 4964-8214
e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

Course description

Objectives

To develop a training process that will allow for the preparation of human resources highly specialized in sterilization, who will be qualified to integrate multidisciplinary teams with the aim of guaranteeing: 1) the microbiologic quality of medicine and of biomedical gadgets suitable for use; and 2) safety for personnel carrying out the activities.

Syllabus

First term: Applied microbiology. Applied technology. Applied physics and chemistry.
Second term: Organization and administration of sterilization services and centrals. Sterilization I. Biomedical materials and gadgets.
Third term: Human resources training and development. Sterilization II. Operative safety.
Fourth term: Fieldwork: it is carried out in different sterilization centrals with active participation of students. It includes a final report.

Specialization in Cosmetic Production.

General information

Director: Miguel D'Aquino
Degree: Specialist in Cosmetic Production
Approximate duration: 3 terms
Enrolment periods: from March to July.
Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)
Telephone and fax: (5411) 4964-8214
e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To form professional trained in the interpretation of cosmetic formulation; the manufacture of products of natural and synthetic origin -for the cosmetic use -with therapeutic focus- as well as in quality control in the manufacture and sale of products with application in the cosmetic arena.

Syllabus

Cosmetic dermatology. Rheology and stability. Cosmetic formulation I and Cosmetic raw materials. Microbiologic methods applied to quality control. Pharmacomechanical operations. Raw material of natural origin. Quality control of cosmetics. Cosmetic formulation II. Cosmetic industrial production. Organization, economy, legislation, and the cosmetic market. Material for cosmetic packaging. Integrative final paper.

Specialization in Biochemical and Pharmaceutical Industries – Orientation in Development and Quality Guarantee.

General information

Director: María Teresa Pizzorno de Collodel

Degree: Specialist in Biochemical and Pharmaceutical Industries – Orientation in Development and Quality Guarantee.

Approximate duration: 3 terms

Enrolment period: from November to February

Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)

Telephone and fax: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To train graduates of the course in Pharmacy and Biochemistry so that they can work in areas concerning the biochemical and pharmaceuticals industry.

Syllabus

Quality control and good practices in manufacturing in laboratories. Control of Pharmacomechanical processes. Microbiologic methods applied to quality control. Microbiologic valuation of active substances. Trial of drug liberation from pharmaceutical formulations. Economic organization and industrial legislation. Galenic development. Biologic valuation of medicine. Determination of organic structures. Industrial hygiene and safety. Drug and medicine stability. Biopharmacy and bioavailability. Update in analytic methods.

Specialization in Biochemical and Pharmaceutical Industries – Orientation in Galenic Development and Pharmaceutical Production

General information

Director: Inés María Rosalía Franco

Degree: Specialist in Biochemical and Pharmaceutical Industries – Orientation in Galenic Development and Pharmaceutical Production

Approximate duration: 3 terms

Enrolment periods: November

Department: Faculty of Pharmacy and Biochemistry, Department of Clinical Biochemistry

Contact information

Address: 954 Junín St. (C1413AAD)

Telephone and fax: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To provide basic knowledge so that pharmaceutical professionals will be able to develop in the area of design and production of different pharmaceutical forms with an exclusive industrial focus. To allow professionals to incorporate new international technologies and provide training in their development.

Syllabus

First term: Good manufacturing practices. Pharmacomechanical operations. Drug and medicine stability. Industrial hygiene and safety. Plan interpretation.

Second term: Galenic development. Organization, economy, and pharmaceutical marketing. Immunology, serology, Serum and vaccine preparation. Elements of pharmaceutical biotechnology.

Third term: Biopharmacy and bioavailability. Validation in the pharmaceutical industry. Special technology. Technology of cosmetic production.

Internships

General information

Internships in Toxicology

Director: Edda Villaamil

Approximate duration: 3 years

Enrolment periods: March in "Bernardino Rivadavia" Hospital (2760 Las Heras Avenue "Training Direction". From 9 am to 12 am – telephone: 4807-3341/0428)

Department: Faculty of Pharmacy and Biochemistry

Contact information

Address: 956 Junín St. (C1413AAD)

Telephone: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To train biochemists to: a) solve mainly toxicological analytic problems; b) focus on those toxicological problems that have a bearing on the community, such as the ones concerning the environment, work, food, etc.; c) develop skills to integrate multidisciplinary teams; d) design and organize services of analytical toxicological assistance; e) provide advice to doctors on aspects concerning exposition, toxicokinetics and toxicodynamics of xenobiotics; f) plan research in toxicology.

Syllabus

Activities to be carried out: Research of toxic substances, especially in biologic human samples. Learning with supposed real intoxicated people. Training in different methodologies.

Courses: Qualitative and quantitative analytic chemistry; Enzymology; Pharmacology; Clinical toxicology; Botanic of drugs of abuse; Industrial Hygiene and safety.

Internships: Toxicology laboratory. Forensic Team. National Judiciary Power. National Centre of Intoxications of "Professor A. Posadas" Hospital. Intoxications Centre of "Pedro de Elizalde" Hospital.

Other activities: Cooperation in teaching as helper in subjects and courses of the career.

Cooperation in teaching of research activities in laboratories. Participation in Congresses and scientific meetings. Extra curricular courses.

Internship in Clinical Biochemistry

General information

Director: Gloria Griemberg Gutierrez

Approximate duration: 3 years

Enrolment periods: March ("Bernardino Rivadavia" Hospital (2760 Las Heras Avenue "Training Direction". From 9 am to 12 am – telephone: 4807-3341/0428)

Department: Faculty of Clinical Biochemistry. José de San Martín Hospital

Contact information

Address: 2351 Córdoba Avenue 1st floor (C1120AAF)

Telephone: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

Intensive system of training based on in-service learning

Syllabus

Internships are done through rotation in the following sections: Hematology; Lipids and lipoproteins; Proteins; Nephrologic Chemistry; Hemostats; Oncologic markers; Endocrinology; Immunology; Bacteriology; Cytology; Parasitology; Cytogenesis; Automated chemical laboratory; Gastroenterology and enzymology; Pediatrics; Blood bank; Intensive care. According to their profiles, interns can intensify their training in one or more sections.

Internship in Pharmaceutics

General information

Director: Ester J. Filinger

Approximate duration: 3 years

Enrolment period: March ("Bernardino Rivadavia" Hospital (2760 Las Heras Avenue "Training Direction". From 9 am to 12 am – telephone: 4807-3341/0428)

Department: Area of Pharmaceutical Internships. Faculty of Pharmacy and Biochemistry.

Contact information

Address: 956 Junín St. (C1413AAD)

Telephone: (5411) 4964-8214

e-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To promote the direct participation of Pharmacists in the organization, planning, administration and evaluation of medicine and materials received by hospitals. To train professionals in the control of medicine distribution.

To train pharmacists to develop programs of pharmacological supervision of detection of adverse effects.

To achieve graduates' insertion in multidisciplinary teams as professionals specialized in the handling of medicine.

Syllabus

Activities are carried out in the following hospitals: "Gral. José de San Martín" Hospital; "R. Gutierrez" Children Hospital; "Dr. Carlos Durand" Hospital; "Dalmasio V. Sársfield" Hospital; "Teodoro Alvarez" Hospital; "Parmenio Piñero" Hospital.

Activities to be developed:

Daily attendance to the hospital with intervention in general activities and knowledge of the technical and administrative organization of the Pharmaceutical service. Pharmacotherapeutic follow-up of patients. Evaluation of medical histories. Pharmacological supervision tasks. Paper elaboration. Attendance of private laboratories.

Courses: Clinical Pharmacy I and II; Laboratory analysis; Physiopathology; Quality control; Pharmaceutical Physic-chemistry; Applied epidemiology; Enteral and parenteral nutrition; Psychotropic pharmacy; Introduction to computer studies; Sterilization: Hospital administration; Biopharmacy; Medicine information; Antibiotics; Immunity Mechanisms; Serums and vaccines.

Participation in Congresses and scientific meetings.

Teaching course

Degree: Authorized Teacher

Syllabus

Pedagogic area: Module 1: Didactics: Part 1: Didactic foundations I. Part 2: Didactic foundations II. Part III: Analysis and design of didactic material. Module 2: University. Part 1: University syllabus. Part 2: Institutional culture. Module 3: Teaching practice: Part 1. Observation and analysis of the teaching practice. Part 2: Supervised teaching practice. Module 4: Didactics in health sciences. Module 5: General training: students must pass a subject of general training in social or human sciences - in another Faculty of the University of Buenos Aires- which can be chosen among the following: Art History, Writing Workshop, Argentine History; Literature, others.

Research methodology area: Module 1: Research methodology. Module 2: Research practice.

Specialization area: the minimum contents of the three modules in this area correspond to the disciplines taught in each of the courses which students of the teaching course take. Module 1: Helpers' school; Module 2: Teaching practice; Module 3: seminars.

Doctorate

General information

Doctorate's Committee

Dr. Silvia Elvira HAJOS, Dr. Alberto Ángel GURNI, Dr. Juan Pablo Francisco COLOMBO ROSSI, Dr. Gustavo Alberto NEGRI.

Substitutes: Dr. Rosa María BERGOC, Dr. Susana Ángela PUNTARULO, Dr. Gabriel Osvaldo GUTKIND, Dr. Rodolfo Héctor CAMPOS.

Degree: Doctor of the University of Buenos Aires

Course description

Objectives

The degree "Doctor of the University of Buenos Aires" is the one of highest hierarchy issued by this University. The degree has an academic value and does not entitle for professional practice within the country.

Doctorates Committee

Applicants to the Doctorate have to present the following documentation:

- a) A letter addressed to the Dean requesting admittance to the course.
- b) Personal information, legalized degree and certificate of the subjects passed, including the average obtained in the Undergraduate course.
- c) Resume and any other information deemed necessary for the admittance
- d) Thematic area which the Research Paper will deal with

Research areas the Thesis may deal with

Anatomy and Histology. Bacteriology. Biostatistics. Biophysics. Cellular biology. Molecular biology. Clinical Biochemistry. Vegetal biochemistry. Soil biochemistry. Biotechnology. Bromatology. Sciences of animals for experiments. Cosmetology. Endocrinology. Epidemiology. Pharmaceutical and biochemical ethics and legislation. Clinical pharmacy. Pharmacobotanics. Pharmacognosis. Pharmacology. Physical-mathematics. Physiology. Vegetal physiology. Physiopathology. Gastroenterology. Genetics. Hematology. Hygiene and safety. Science history. Immunology. Mycology. Microbiology. Nephrology. Neurosciences. Nutrition. Parasitology. Natural products. Analytic chemistry. Biologic chemistry. Bioorganic chemistry. Bioinorganic chemistry. Inorganic chemistry. Medical chemistry. Organic chemistry. Radiobiology. Radiopharmacy. Radiopharmacology. Pharmaceutical technology. Toxicology. Virology.

Counselors and Syllabuses of Special Courses

If the Director is not a member of the teaching staff of the Faculty of Pharmacy and Biochemistry or when Thesis are not carried out within the Faculty, a Counselor must be appointed. The latter must belong to the teaching staff of the Faculty and must have renowned prestige within the area with which the thesis is concerned.

The counselor will fulfill the following roles: a) Provide advice to students. B) Supervise that the regulations are upheld. C) Endorse the presentations of students before the Committee. D) Endorse the final presentation of the Thesis before the committee.

Course syllabuses consist, in general, of undergraduate or postgraduate subjects, courses or seminars organized or taught by specialists in the corresponding area. Such subjects, courses or seminars may take place in other Faculties of the University of Buenos Aires or in other National or International Universities or Institutions that carry out scientific research.

Thesis Director and Plan

Thesis directors will be appointed by the Board taking into consideration a proposal sent by the committee. Directors must fulfill the following requirements: a) They must be teachers of the Faculty of Pharmacy and Biochemistry or researchers with a solid training in the chosen specialty and with a maximum academic degree. They must be capable of training human resources. The Directors' proposal will be accompanied by their resumes. b) If they haven't led the elaboration of Thesis before, any publications concerning the topic of the Thesis.

Directors must fulfill the following roles: a) Advice students on the elaboration of the Thesis plan. b) Supervise constantly the research work carried out by the student. c) Lead students in the in the choice of adequate research instruments for a better handling and elaboration of the Thesis. d) Discuss periodically the results of the research. e) Evaluate periodically the development of the research and, eventually, indicate corrections. F9 Advice students on the writing and defense of the Thesis and read and correct the written presentation of the Thesis. g) Present a final report, evaluate the research carried out, indicating its originality and contribution to the advance of knowledge and the participation, dedication and qualifications of the student.

Thesis plan: within the two first years as from the admittance to the Doctorate, students must present a Plan endorsed by their director/s and request the approval of the Director or Co-director. The plan must include the following information:

- a) Title and topic which the Thesis will deal with. b) Place where the research will be developed.
- c) Antecedents of the topic. e) Nature of the projected contribution. e) Availability of infrastructure and feasibility of development and financing. f) Plan

Woks carried out abroad will only be accepted if they correspond directly to the work supervised by the director and if students have lived in the place where such works were developed.

The committee may design, if requested by students, a new Assistant Director who will intervene actively in the scientific and academic formation of students.

Thesis Presentation and Defense

Students must present before the Committee within the established deadline: five written copies of the Thesis. The Thesis must be accompanied by a final report issued by the Thesis Director and the Counselor, which must include a critical analysis of the work carried out by the student, the results obtained, and the degree of participation in publications to which the Thesis has led. The jury will be made up of three permanent members and at least two substitutes, all of whom should hold renowned prestige in the area which the Thesis is concerned with.

Specialization in Bromatology and Food Technology

General Information

Director: Stella Maris Alzamora

Degree: Specialist in Bromatology and Food Technology

Approximate duration: 2 years

Enrolment period: consult at faculty

Department: Faculty of Exact and Natural Sciences, Faculty of Pharmacy and Biochemistry, Faculty of Veterinarian Sciences, Faculty of Agronomy. Administrative office: Faculty of Exact and Natural Sciences

Contact information

Address: Ciudad Universitaria Pabellón II (C1428EHA)

Telephone: 4576-3333 Fax: (5411)4576-3351

E-mail: postgrado@de.fcen.uba.ar

Course description

Objectives:

To provide highly specialized academic and professional training in the different areas connected to Bromatology and Food Technology

- a) To provide human resources specialized in food technology to the industrial and technical and scientific area.
- b) To incorporate updated personnel in the area of food preservation, elaboration, storage and quality control.
- c) To develop activities that promote analytic, critical and creative skills, integrating knowledge so as to provide solutions to problems concerning food.

Syllabus

Food microbiology. Superior bromatology. Food preservation fundamentals. Industrial food processing. Nutrition applied to food technology. Management, control and quality guarantee in the food industry.

Specialization in Policies and Management of Science and Technology

General Information

Director: to be named

Degree: Specialist in Science and Technology Policies and Management.

Approximate duration: 2 years

Enrolment period: consult

Department: Faculties of Exact and Natural Sciences; Social Sciences; Law; Pharmacy and Biochemistry; and Philosophy and Art. Administrative Office: Faculty of Pharmacy and Biochemistry.

Contact Information

Address: 956 Junín St. (1413AAD)
Telephone: (5411) 4964-8200/8214
E-mail: posgrado@ffyb.uba.ar

Course description Objectives

To train graduates who will be qualified to design policies in Science and Technology, and to carry out teaching, planning, promotion, and evaluation of scientific and technological activities.

Syllabus

Science and Technology History. Science, Technology and Society. Epistemology. Statistics. Economy and planning elements. Political economy of science and technology. Economy of technological changes. Organizational structures of innovations. Technology management. Policies of technological innovation. Project elaboration and evaluation. Scientific policies. Management of scientific research. Legal and organizational groundings of public administration.

Optional subjects: Science, education and social development. Science and technology in MERCOSUR. Technological development in Argentina. Projects of technological innovation. Intellectual property. Technology transference. Development, science and technology styles. University-Company relation. International scientific and technologic cooperation.

Interdisciplinary Specialization in the Issue of Improper Drug Use

General information

Director: to be appointed

Degree: Specialist in the Issue of Improper Drug Use

Approximate duration: 3 terms

Enrolment periods: consult

Department: Faculties of Social sciences; Law; Pharmacy and Biochemistry; Medicine; and Psychology. Administrative office: faculty of Psychology.

Contact Information

Address: 3242 Hipólito Irigoyen St. (C1207ABR)
Telephone: (5411) 4957-1210/5873
E-mail: posgrado@psi.uba.ar

Course description

Objectives

To train specialists in research and assistance in the area of drug traffics and abuse, who will have a basic common interdisciplinary training and will be specialized in the role they have to fulfill in interdisciplinary teams, according to the concerns of their undergraduate degrees. To create a scientific area for the production, interchange and diffusion of works concerning the improper use of drugs and the drug traffic control. To develop models of analysis and interdisciplinary research on the topic. To promote the elaboration of research works about the theme.

Syllabus

First cycle: Philosophical and ethical aspects. Socio-economic and cultural aspects. Basic knowledge on standard regulations. Basic knowledge on neurosciences and toxicology. Basic knowledge on psychology and psychopathology. Basic knowledge on therapies. Basic knowledge on epidemiological, sanitary and mass media aspects. Epistemological and methodological aspects. Workshop on multidisciplinary and multiprofessional integration.

Second cycle: Legal aspects. Drug geopolitics.

MA in Medical Molecular Biology

General Information

Director: José Mordoh

Degree: MA of UBA in Medical Molecular Biology

Approximate duration: 2 years

Enrolment periods: consult

Department: Faculties of Exact and Natural Sciences; of Pharmacy and Biochemistry; and of Medicine. Administrative office: Faculty of Exact and Natural Sciences

Contact Information

Address: Ciudad Universitaria, Pabellón II (C1428EHA)

Telephone: 4576-3333 Fax: (5411) 4576-3351

E-mail: postgrado@de.fcen.uba.ar

Course description

Objectives

To allow graduates to get integrated to the university, scientific, assistance, industrial and health care fields. Graduates will be qualified to make theoretical and practical contributions about molecular biology to the analysis of the human organism.

To develop analytic, critical and creative skills.

To use the tools available in the field of Medical Molecular Biology in the preventive diagnosis and in the treatment of different health problems.

To analyze ethical and legal problems that may arise during the application of new diagnosis and therapeutic techniques.

Syllabus

The MA in Medical Molecular Biology is organized in two cycles: a general cycle compulsory for all students and a specialization cycle that allows students to choose among four different orientations: 1) Molecular oncology; 2) Neurological sciences; 3) Medical Molecular Genetics; and 4) Molecular Microbiology. Each orientation is made up of compulsory and optional subjects.

General compulsory cycle: Molecular biology, Molecular medicine

Orientations:

- 1) Molecular oncology: Molecular oncology and optional subjects
- 2) Neurological sciences: Neurological sciences and optional subjects
- 3) Medical Molecular Genetics: Medical molecular genetics and cytogenesis. Forensic molecular genetics and optional subjects.
- 4) Molecular microbiology: Molecular microbiology. Molecular Bacteriology. Molecular virology. Molecular parasite studies and optional subjects.

Students can choose among the following optional subjects and / or the seminars, workshops and courses that the MA Committee may propose.

Optional subjects: Statistics; Clinical research methodology; Techniques in cellular and molecular biology; Ethics in Medical molecular biology; Legal notions in medical molecular biology; Computing biology.

MA in Biotechnology

General information

Responsible institutions

Coordinating Committee: made up of representatives of the Faculties of Agronomy, Exact and Natural Sciences, Veterinary Sciences, Law, Pharmacy and Biochemistry, Engineering and Medicine.

Director: Humberto Cisale

Degree: MA of UBA in Biotechnology

Approximate duration: between 18 and 30 months

Enrolment periods: consult

Departments: faculties of Pharmacy and Biochemistry, and of Exact and Natural Sciences.

Administrative office: faculty of Pharmacy and Biochemistry.

Contact information

Address: 956 Junín St. (C1113AAD)

Telephone: 4964- 8214

E-mail: posgrado@ffyb.uba.ar

Course description

Objectives

To provide a high level professional academic training in the development of research, teaching and productive development, as well as in the analysis of technological, economic, social and legal aspects involved in the design and evaluation of policies.

To provide human resources specialized in the technical handling of biotechnical disciplines to the economic and scientific-technical field. To provide the university and the scientific and technical system with teachers, researchers and updated technicians who are oriented to the basic discipline of biotechnology.

Syllabus

First part: Genetic Engineering. Economic aspects of biotechnology. Interaction of microorganisms with their growing environment and their application to fermentative processes. Cellular cultures and their biotechnological applications. Scale changes in biological processes. Basic immunological techniques. Cultures and virus purification. Energetic metabolisms in microorganisms. Preservation of microorganisms with biological importance.

Second part: Culturing of anaerobic microorganisms and identification through physical methods. Structural aspects of peptides and proteins. Technical applications of molecular biology in the diagnosis of virus: genomic probes and chain reaction of polymerase. Application of modern biotechnologies to agriculture. Quality control in biotechnology. Molecular markers in plants. Biotechnological techniques applied to veterinary sciences. Transgenic animals. Biodegradations of industrial waste. Vegetal biotechnology: manipulation of secondary metabolites through in vitro culturing.

Master in Bromatology and Technology of Food Industrialization

General information

Director: Stella Maris Alzamora

Degree: MA of UBA in the Area of Bromatology and Technology of Food Industrialization

Approximate duration: 2 years

Enrolment periods: consult at faculty

Responsible institutions: Faculties of Exact and Natural Sciences, of Pharmacy and Biochemistry, of Veterinary Sciences and of Agronomy.

Department: Faculties of Exact and Natural Sciences, of Pharmacy and Biochemistry, of Veterinary Sciences and of Agronomy. Administrative office: faculty of Exact and Natural Sciences.

Contact information

Address: Ciudad Universitaria Pabellón II (C1428EHA)

Telephone: 4576-3333 Fax: (5411) 4576-3351
E-mail: postgrado@de.fcen.uba.ar

Course description

Objectives

To provide highly specialized academic and professional training in the areas of Bromatology and Technology of Food Industrialization. To supply the industrial and scientific-technical sectors with human resources specialized in food technology. To incorporate teachers and researchers updated in the areas of food preservation, elaboration, storage and quality control, promoting research and scientific-technological development. To develop activities for the promotion of analytic, critical and creative skills, integrating knowledge to provide solutions to problems concerning food.

Syllabus

The MA is oriented towards different areas of knowledge and activities. The knowledge areas are composed mainly of the following disciplines: 1. Mathematics. 2. Physics. 3. Chemistry. 4. Bromatology. 5. Microbiology. 6. Transportation phenomena. 7. Unitary operations. 8. Unitary processes. 9. Nutrition. 10. Quality control and management.

The areas of activities embrace: 1. Theoretical and experimental training. 2. Methodologies and techniques. 3. Scientific research.

Compulsory subjects: Superior bromatology. Fundamentals of food preservation. Food industrial processing. Nutrition. Quality management, control and guarantee in the food industry. Food microbiology. Seminal for Thesis elaboration.

Optional subjects: Food toxicology. Food sensorial features. Microbiologic processes in the food industry. Enzyme studies applied to the food industry. Food legislation. Prediction of vitamin retention in preserved food. Food commercialization. Advances in the minimal processing of fruits: textural, micro structural and microbiological aspects. Economic and financial elements. Company organization and direction. Production planning and programming. Vegetable post-harvesting. HACCP. Predictive microbiology and technology of combined factors: an integrated approach to microbiologic safety in food. Advances in nutrition. Advances in quality management and control. Advances in food microbiology. Thesis.

MA in the Issue of Improper Drug Use

General information

Director: to be appointed

Degree: Specialist in the Issue of Improper Drug Use

Approximate duration: 3 terms

Enrolment periods: consult

Department: Faculties of Social sciences; Law; Pharmacy and Biochemistry; Medicine; and Psychology. Administrative office: faculty of Psychology.

Contact Information

Address: 3242 Hipólito Irigoyen St. (C1207ABR)

Telephone: (5411) 4957-1210/5873

E-mail: posgrado@psi.uba.ar

Course description

Objectives

To train specialists in research and assistance in the area of drug traffics and abuse, who will have a basic common interdisciplinary training and will be specialized in the role they have to fulfill in interdisciplinary teams, according to the concerns of their undergraduate degrees.

To create a scientific area for the production, interchange and diffusion of works concerning the improper use of drugs and the drug traffic control. To develop models of analysis and interdisciplinary research on the topic. To promote the elaboration of research works about the theme. To promote the design of preventive courses of action and of assistance strategies that meet the needs of the country.

To form human resources that permit a better design, elaboration and execution of policies on drug consumption.

Syllabus

First cycle: Philosophical and ethical aspects. Socio-economic and cultural aspects. Basic knowledge on standard regulations. Basic knowledge on neurosciences and toxicology. Basic knowledge on psychology and psychopathology. Basic knowledge on therapies. Basic knowledge on epidemiological, sanitary and mass media aspects. Epistemological and methodological aspects. Workshop on multidisciplinary and multiprofessional integration.

Second cycle: Students can choose one of the two orientations and they must also attend at least one subject from the other orientation.

Orientations:

1.-professional interventions in institutional fields: Dimensions of neurosciences and drug dependencies. Psychodynamic dimensions of drug-dependencies . Therapeutic dimensions of drug-dependencies. Legal dimensions (compulsory subjects for everybody).

2- Policies, plans and programs: Mass media. Sanitary. Epidemiologic. Drug geopolitics (compulsory subject for everybody)

Thesis seminar.

MA in Policies and Management of Science and Technology

General information

Director: Carlos Abeledo

Degree: MA of UBA in Policies and Management of Science and technology.

Approximate duration: 2 years

Enrolment periods: consult

Department: Faculties of Exact and Natural sciences; Social Sciences; Law, Pharmacy and Biochemistry; and Philosophy and Arts. Administrative office: Faculty of Pharmacy and Biochemistry.

Contact Information

Address: 956 Junín St. (1413AAD)

Telephone: (5411) 4964-8200/8214

E-mail: posgrado@ffyb.uba.ar

Course description

Objectives:

To develop skills in the understanding of the existing relations between science and technology and the social, political, economic and cultural development.

To develop the capacity of understanding the developmental phenomena and the process associated with the training of human resources, the scientific production, innovation and transference of technology.

To develop expertise in the research of issues concerning technological evaluation and prospecting and policies in science and technology.

To develop competence in the area of instrumental needs used in administration – in the different stages of planning, execution and management control – of scientific and technologic activities.

Syllabus

Compulsory subjects: Science and Technology History. Science, technology and society. Epistemology. Statistics. Economy and Planning elements. Political economy in science and technology. Economy in technological changes. Organizational structures of innovation. Management of technology. Policies of technological innovation. Project elaboration and evaluation. Scientific policies. Management of scientific research. Legal and organizational groundings of public administration.

Optional subjects: Science, education and social development. Science and Technology in MERCOSUR. Technological development in Argentina. Technological innovation projects. Intellectual property. Transference of technology. Developmental, scientific and technological styles. University-Company relation. International scientific and technologic cooperation.

MA in Public Health

General information

Director: Noemí Bordoni

Degree: MA of UBA in Public Health

Approximate duration: 2 years

Enrolment period: consult at Faculty

Responsible institutions: The MA Committee is made up of representatives from the Faculties of Agronomy; Architecture, Design and Urbanism; Economy; Pharmacy and Biochemistry; Philosophy and Arts; Engineering; Medicine; Dentistry; and Psychology.

Department: Superior Board of UBA

Contact information

Address: 950 José E. Uriburu St. 1st floor – Temporary venue- (C1114AAD)

Telephone: 4508- 3618 int. 219

E-mail: masp@rec.uba.ar

Course description

To train people that will be qualified to:

Approach public health as an interdisciplinary, inter and extra sectarian field

Acknowledge the relevance of taking into consideration social participants, their representations and practices in the field of public health.

Evaluate the present characteristics and trends of socio cultural, economic, environmental and political processes concerning their relations with life and health conditions

Propose courses of action to reduce the risks of falling ill and dying.

Promote research about public health concerning its different components:

- a) health situation
- b) health determinants
- c) health resources
- d) evaluation of the interventions in health as regards structure, process and results
- e) care quality

Solve health problems through a process of planning- programming- execution- evaluation.

Syllabus

Area I: Health situation and health-sickness determinants.

Module 1: Health situation: Objective knowledge of health and the need of information.

Epidemiology. Epidemiologic method. Analysis design. Decision analysis. Elaboration, presentation, analysis and interpretation of data. Statistics and variables. Statistical inference. Epidemiological transition and new diseases.

Module 2: Health and society: Social issues in the field of health. Analysis of health conditions regarding socio demographic structures and processes. Social construction. Life and vulnerability conditions.

Module 3: Health and economy: Introduction to health and economy. Economic groundings of health. Economic characterization of the health area. Equity, accessibility and vulnerability.

Module 4.: Health and environment: Environment and development. The environment and its impact on health. Natural environment. Environmental impact. Primary food production. Man made environment. Basic urban drainage. Environmental diagnosis. Synthesis.

Module 5: Bioethics and health: Ethics. Human beings. Intimacy rights. Human rights. Public health.

Area II: Change and transition in Health

Module 1: Politics and health: Health policies. State and society. Compared social policies. Social policies in Argentina.

Module 2: Sectarian transformation.

Module 3: Human rights, ethics and social responsibility.

Area III: Health resources, systems and services:

Module 1: Strategies and interventions in public health

Module 2: Characterization and management of resources in health (human, physical, financial and technological)

Module 3: Health systems: organizations and services.

Area IV: Application – Fieldwork

Area V: Research.