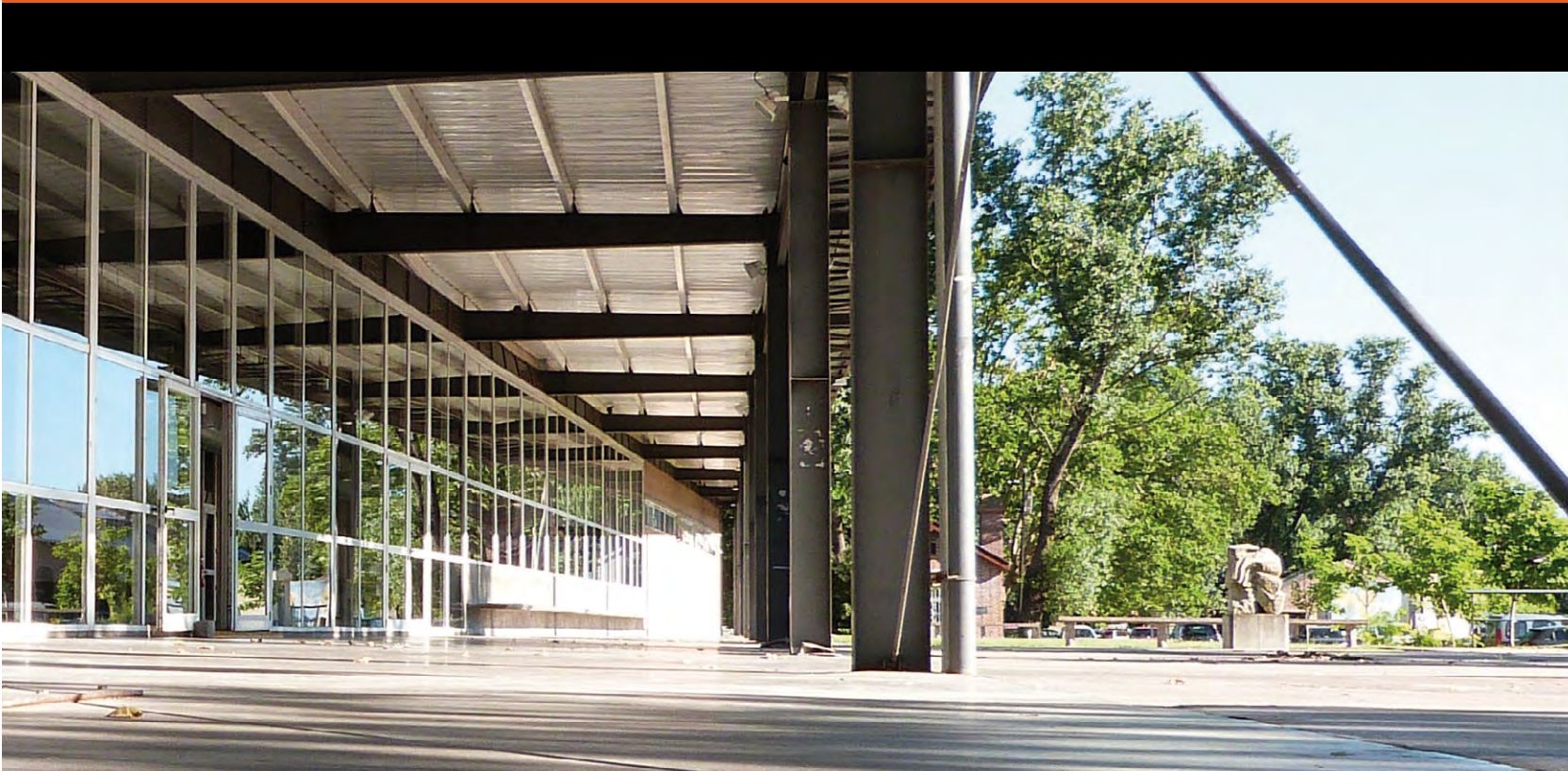




Postgraduate Student Guide

Department of Productive
and Technological Development





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and Technological Development**



National University of Lanús
Postgraduate Student Guide
Department of Productive and
Technological Development

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Dra. Ana Jaramillo

Vice-rector

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The purpose of Public University to seek academic excellence of each and every student, to perfect its professors, to train its students for them to fit into the labor market, to carry out technological and scientific investigations, is not contradictory at all but complementary to its social responsibility to cater for the needs of national and regional development. Public Universities seek redistribution of knowledge and improvement of living standards of community as a whole.

Ana Jaramillo



Introduction

We present, through this Postgraduate Students Guide, a short overview about curriculum offered at National University of Lanús.

As per our Statute, University has a primary mission: “To contribute through production and distribution of knowledge and scientific- technological innovations to economic, social and cultural development of the region aiming to improve living standards and strengthening democratic values within society, combining universal knowledge with knowledge acquired from our community.”

It is, within this frame, that the postgraduate offer is organized in Seminars, Specializations, Masters and Doctorates, which are meant to meet the mission of the University producing socially relevant knowledge with outstanding theoretical and scientific academic level.

Academic offer is organized around the four Departments within which each career is registered. In each case, the present Guide presents in a systematic way the Career Objectives, Study Plans, Graduate Profile and contact information.”

The National University of Lanús, brief Historical Review.

The National University of Lanús was created by Act 24496 June 7TH 1995. In September of the same year National Government appointed Ana Jaramillo, Sociology Ph.D as Rector and Organizer of the University. In December 1995, the premises located at “29 de Septiembre” St. were transferred as per Acts 24750 and 24751. The Campus has a surface of 12 hectares being one of the most important green spaces within the area.

As Rector Ana Jaramillo said: *“National University of Lanús was once a dream, now it is a reality. We all built it. We keep on building it every day. A collective and supportive project meant to fulfill its social responsibility of forming professionals with the highest degree of academic excellence. Intellectuals, technicians and citizens, working alongside the community, making their best effort to improve living standards.”*

Department of Productive and Technological Development

Specializations





Specialization in Sustainable Development

Certified by CONEAU. B Category

Headmaster: **Architect Rubén Pesci.**

Career commenced in the year 1998 within the framework of a Cooperation Agreement between UNLa and “Foro Latinoamericano de Ciencias Ambientales (FLACAM)” (Latin-American Forum of Environmental Sciences).

Degree obtained: **Specialist in Sustainable Development.**

Duration: 1 year. Attending Mode.

Professional Outlook

It is intended to provide higher education in the field of environmental sciences. To train for the resolution of environmental and development conflicts by means of teaching/ learning and training process which includes strategies and abilities to project territory and effective management and communication for its insertion into reality with the aim of deepening professional practice.

Syllabus

Paradigm, Epistemology and Pedagogy of Environment and Sustainability.

Environmental issues and Action Fields of Sustainable Development.

Environmental Projection

Sustainability Management.

Applied Research Project.

Attending Elective Seminars.

Elaboration of Final Integrated Project.

Graduate Profile

Graduates shall be able to solve a wide variety of problems through specific intervention projects either in urban or rural environments as in micro and macro scale.

Graduates develop practical and theoretical skills that allow: to approach environmental problems from an integral and integrated perspective of sustainable development. To create, formulate and manage environmentally sustainable projects. To manage expertise and acquire experiences about community



participation, management and administration of economic and human resources for the materialization of projects. To conduct researches that contribute to further knowledge and give response to environmental problems of the local and/or regional reality and that, in turn, nurture the creation of a theoretical and scientific body to construct the basis of a new environmental paradigm.

For further information, please contact:

National University of Lanús

“29 de Septiembre 2901”

Zip code 1826 – “Remedios de Escalada, Lanús”

Province of Buenos Aires, Argentina.

Phone/ Fax: (011) 5533-5600 Extension: 5804/5805.

e-mail: posgrado@unla.edu.ar

FLACAM

Phone: (0054-0221) 425-6556 / 4257482

City of La Plata, Argentina

e-mail: alumnos@flacam-red.com.ar

Specialization In Agri-Food System Management

With Interim Official Recognition granted by “CONEAU” (National Commission for University Evaluation and Accreditation).

Headmaster: **Mg. Juan Manuel Alderete.**

Career shall commence within the framework of a Cooperation Agreement between “Universidad Nacional de Lomas de Zamora (UNLZ)” (National University of Lomas de Zamora) and “Universidad Tecnológica Nacional - Facultad Regional Avellaneda (UTN-FRA)” (National Technological University - Regional Faculty of Avellaneda).

Duration: One and a half years. Attending Mode.

Professional Outlook

This Specialization intends to detect, analyze and identify the complexity of the agri-food problem in Argentina. It seeks strategies to give response to such problem by integrating the agricultural sector, food producers, distributors and retailers to the final consumer.

Syllabus

Agri-food Economy I.
Marketing applied to agri-food.
Strategic Planning.
Domestic market for food and beverages.
International market for food and beverages.
Marketing of commodities and specialities.
Differentiation Strategies.
Integration Seminar.
Food Law and Agri-food legislation.
Quality Management.
Logistics and packaging.
Local Agri-food systems.
Analysis and Management of Agri-food Mesosystems.
Elaboration of Final Integrated Project.

Graduate Profile

This specialization is oriented to provide a solid basis that allows training of professionals for the management of agri-food system. Graduates shall be able to: identify and recognize variables that



take part in the processes of Agri-food system. Contribute in the incorporation of new technologies that enhance agri-food policy. Participate in agri-food management planning by evaluating innovative programs and projects of the field. Advice and take part in modifications and enhancement programs intended to give response to the problems of the field.

For further information, please contact:

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Phone/ Fax: (011) 5533-5600 Extension: 5243

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UTN-FRA

Av. Mitre 570

Avellaneda, Province of Buenos Aires, Argentina

Phone: (0054-011) 4201-5476

e-mail: posgrado@fra-utn.edu.ar

Department of Productive and Technological Development

Master's Degrees





Master's Degree in Sustainable Development

Certified by CONEAU. "B" Category.

Headmaster: **Architect Rubén Pesci.**

Career commenced in the year 1998 within the framework of a Cooperation Agreement between UNLa and "Foro Latinoamericano de Ciencias Ambientales (FLACAM)" (Latin-American Forum of Environmental Sciences).

Degree Obtained: **Master in Sustainable Development.**

Professional Outlook.

It is intended to provide higher education in the field of environmental sciences. To train for the resolution of environmental and development conflicts by means of teaching/ learning and training processes which includes education and assessment of projects, effective management and communication for its materialization with the aim of constructing knowledge based on research and educating professionals in strategies and environmental projection for effective management of ethical and responsible development.

Syllabus

Paradigm, Epistemology and Pedagogy of Environment and Sustainability.
Environmental issues and Action Fields of Sustainable Development.
Environmental Projection I.
Sustainability Management.
Project Feasibility.
Environmental Projection II.
Environmental Projection III.
Thesis Seminars
Applied Research Project.
Attending Elective Seminars.
Elaboration and defense of Thesis.

Graduate Profile

Graduates shall be able to solve a wide variety of problems through specific intervention projects either in urban or rural environments as in micro and macro scale.
Graduates develop practical and theoretical skills that allow: to approach environmental problems from an integral and integrated



perspective of sustainable development. To create, formulate and manage environmentally sustainable projects. To manage expertise and acquire experiences about community participation, management and administration of economic and human resources for the materialization of projects. To conduct researches that contribute to further knowledge and give response to environmental problems of the local and/or regional reality and that, in turn, nurture the creation of a theoretical and scientific body to construct the basis of a new environmental paradigm.

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City of La Plata, Argentina

e-mail: alumnos@flacam-red.com.ar

Master's Degree In Food Technology

Certified by CONEAU.

Headmaster: **Dr. Eduardo Castro.**

Career commenced in the year 2003 within the framework of a Cooperation Agreement between UNLa (National University of Lanús) and UTN-FRA (National Technological University - Regional Faculty of Avellaneda).

Degree Obtained: **Master's Degree in Food Technology.**
Duration: 2 years- Attending mode.

Professional Outlook

To create a setting that allows continual academic education of professors and professionals who shall have scientific and technological skills to contribute to the food technology field and disclose such knowledge as a contribution to national technological and scientific development.

To provide world- class education to professionals of the food technology field who are encouraged by a continual improvement attitude which substantially contribute to the productive profile of the region.

To establish a technological link between the University and the industrial food system to promote sustained development that allows a better disposal of products for export with high added values and to present high quality products in the domestic market. To generate conditions for the articulation between research and development and training human resources with the best education in the food technology field. To foster interdisciplinary perspective and team work which allows to create, maintain and promote own research programs and scientific- technological development or to carry them out in cooperation with other institutions. To upraise standards of the national industry by promoting developments in the area.

Syllabus.

Food Law.
Food Chemistry.
Food Microbiology.
Food Preservation.
Quality Management.
Applied Mathematics.



Transport Phenomena in Food Engineering.
Machinery and equipment for food processing.

Nutrition Seminar.

Research Methodology.

Seminar-workshop for Thesis Elaboration.

No less than 3 must be attended:

Chemistry and Technology of grains and oilseeds.

Chemistry and technology of dairy products.

Chemistry and Technology of Fruit and Vegetable Products.

Chemistry and Technology of meat products and by-products.

Elective Subjects (4 subjects must be attended):

Food Sensory Analysis

Food Biochemistry.

Technological Use of Enzymes in food.

Competitiveness.

Mechanisms of spoilage reactions.

Dispersion and Emulsion.

Chemistry and technology of glucides and sugar-based products.

Chemistry and technology of water-based beverages, fermented drinks and spirits.

Food Packaging.

Modeling and simulation of processes in food industry.

Environmental management of food industry.

Food preservatives.

Statistic control of quality.

Design of experiments.

A test of a foreign language shall be passed.

To carry out 160 hours of tutoring and research.

Elaboration and defense of Thesis.

Graduate Profile

Graduates, with solid basis in scientific and technological fields, shall be able to analyze, assess, design, develop, plan and implement activities related to food handling, either processing or service-related, which will allow them to reach senior quality in their achievements. Graduates shall be able to act in the innovation and development areas as regards products or processes; in the development and systematization of control methods which tend to reach excellence in the production system; in management of quality systems in food fields; in the development of problem-solving techniques that give response to environmental, security, hygienic demands and regulations; in the coordination of research and transference of technology oriented to the academic field and/or production area; in strategic decision-making of the agri-food sphere; in training specialized human resources in the food technology field.

For further information, please contact:

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