

STATE UNIVERSITY OF MARINGÁ



MANAGEMENT 2014 - 2018

UEM is one of the most important universities in Brazil and it is represented not only in the city of Maringá, where the main campus is located. With powerful regional feature, the University is still physically present in seven other municipalities in Paraná State northwestern part, by offering undergraduate and the development of research projects.

Founded in 1969, result of actions of local and state leaders who envisioned a key role in socio-economic development of the interior of Paraná. The institution grew rapidly and assumed its mission in human and intellectual development of people, as well as scientific and technological production. Piling up therefore a scientific, cultural and economic heritage that is reflected directly in the communities of the municipalities where it operates by transferring knowledge able to leverage development, generating employment and income to the population.

Although pretty young, UEM has become a center of excellence in various fields of knowledge with national and international projection. That means important contributions of funds for various projects and laboratories, backed by a qualified faculty, which has significant scientific production rates and thus the technology for such.

It is noteworthy also by the offer of free and permanent education to people over 60 years, through the Open University Program for Senior citizens (Unati). It has as its premise the promotion of health, psychological and social well-being and the recovery of citizenship to those people. It is growing the interest in intellectual, physical and social activities planned and offered to the public.

The challenge is to continue to fulfill the role in training people and making the most on scientific and technological output by intensifying the actions at the national and international scene and striving for excellence in all areas where it operates. At the domestic level, UEM seeks to offer, more and more an welcoming environment to their community with effective student assistance policy and programs geared to their servers.

In addition to establish itself as a university concerned with the promotion of the development of the region in which it operates, provides its students with opportunities for extra walls experiences, fruit of numerous agreements signed with companies, educational and research institutions across continents.



Mauro Baesso
Rector



Julio Damasceno
Vice-Rector

STRONG PRESENCE IN PARANÁ

Located in the northwest of Paraná, UEM has regional characteristics and polarizes more than 130 municipalities, with a population estimated to be 2 million inhabitants. In Maringá, a city of about 400,000 inhabitants, it is deployed the headquarter campus of the institution, in an area that exceeds one million square meters.

In this area functions most of graduate and extension courses that the university offers and almost all graduate programs. There are more than 210 thousand square meters of constructed area.

To cater to the internal and external communities, the University has one of the largest libraries in the interior of Brazil. With about 607,000 copies in the assets and access to over 37,000 electronic journals of Capes website, the Central Library receives on average four thousand users every day.

CLIMATOLOGICAL STATION

The main campus also houses the Climatological Station, which has a weather database that is an important parameter for characterizing the climate rate of the region and also serves as a major utility tool as it collects and provides a great deal of information to the community in general.

EDUCATIONAL APPLICATION

Among the campus structures it is highlighted the School of Educational Application, which produces knowledge with advanced learning approaches and ensures free school for around 1200 students from elementary and high school.

EDUEM

The Eduem, the university's own publishing house, publishes scientific, technical and cultural themes. Founded in November 2006, the publisher has already issued 1,188 titles. To advertise its publications, it participates on a regular basis in fairs and national and international events. By keeping interchanges and agreements with many institutions, Eduem also stimulates the development of co-editions and partnerships.

About the journals, the Eduem publishes Acta Scientiarum. The articles are spread over areas in eight magazines: Agronomy, Animal Sciences, Biological, Education, Health Sciences, Human and Social, Language and Culture and Technology. The magazines have registered an average of submission of 1,160 articles over the past five years.

SPORT COMPLEX

The university community also has a sports complex with courts and soccer fields, swimming pools and an athletics track with international standard, which is used for training and official competitions. Also noteworthy is the Center of Excellence in Physical Education, which serves various projects.

Among the offered activities they are weight training, aerobics, swimming and karate and sports initiation schools. With a mighty social bias, the University also offers physical activity programs for people with special needs. And it is also in the final stage of construction a Centre of Excellence in Handball, which will house courts, assessment rooms and prescribing training, some accommodation for athletes and laboratory studies and sports studies.



REGIONAL CAMPUSES

Comprehensiveness

UEM is present in practically every region of Paraná with actions linked to educational projects, research and extension. It consolidates its comprehensiveness through six regional campuses. They are set in the cities of Cianorte, Umuarama, Cidade Gaúcha, Goioerê, Diamante do Norte and Ivaiporã. Those campuses (branches) are important for students to remain in the region and start to contribute to the improvement of the population's quality of life as well as increase the regional development.

CIANORTE

In Cianorte, they are offered courses on Accounting, Education, Fashion and Design. As it is a center of the textile industry, the courses have served the demand of trained professionals in the sector. It is good for the region and also for the students who finish their under graduation with great possibility of employment. Educational projects, research and extension, as the study of the moulage techniques and their applications in clothing has enabled the Fashion Course students into the job market with specific skills and knowledge.



CIDADE GAÚCHA

In the Regional Campus of Arenito (sandstone), located in Gaúcha City, is offered the course in Agricultural Engineering. It is worth highlighting, in the extension area, the seedling nursery for the production of plants of native species such as eucalyptus, coconut, peach palm (pupunha) and some ornamental species. The aim is to the recovery of riparian forests and legal reserve areas, in addition to urban landscaping in Gaúcha City.



REGIONAL CAMPUSES

DIAMANTE DO NORTE

The Northwest Regional Campus (CRN), Diamante do Norte, is the only one that does not offer an undergraduate degree. The Agricultural College is installed there in a partnership with the State government. It is located within a legal reserve so that the concern of the researchers, high school students and staff of CRN, with the environment, is highlighted. In the Campus, several researches are carried out related to ecology, such as Sustainability Leaders Program which aims at serving institutions and entrepreneurs to promote activities relating to rural and ecological based tourism.



GOIOERÊ

In the city of Goioerê, the Regional Goioerê Campus (CRG) offers courses in Textile Engineering, Production Engineering, and Full Degree in Science and Bachelor in Physics. The CRG maintains projects to meet the demands of the surrounding communities. The Quality Control laboratories, Technology and Textile Chemistry, the only one in the region, assists on teaching and researching activities of Textile Engineering course and companies in the industry by making material analysis.

Another difference is that the design is for the training of teachers in the field of Textile Engineering, in partnership with the University of Minho in Portugal.



REGIONAL CAMPUSES

UMUARAMA

In Umuarama, UEM offers the Agronomy and Veterinary Medicine, which have activities on a farm school with an area of 145 hectares. There is also a Veterinary Teaching Hospital, which in addition to helping students in the areas of teaching, research and extension also allows us to serve small and medium-sized animals for the local farmers. Also in Umuarama, it is located the Technology Center where they are offered the Food Engineering, Civil and Environmental courses besides the Technology in Construction, Environment and Food.



IVAIPORÃ

The Regional Campus of Vale do Ivaí (CRV) in Ivaiporã, offers the Physical Education, Social Work and History courses. Through the first two are developed several extension projects to serve the community under the influence of the region, which includes 18 municipalities. In addition, scholarship undergraduate students in history, supervised by their course faculty members, work together to train public school teachers.



UNDERGRADUATION COURSES

UEM offers dozen of undergraduation courses all over the campuses of Maringá, Cidade Gaúcha, Cianorte, Goioerê, Ivaiporã and Umuarama, in addition to six distance-learning courses. Three thousand vacancies are available annually, from which 20% are aimed to social quota. Furthermore, over 750 vacancies are offered for the students who have passed the Serial Evaluation Program (PAS). There are about 20.000 undergraduate students, including the classroom and distance-learning courses, and PARFOR (National Plan for the Training of Basic Education Teachers) as well.

HEAD OFFICE OF THE CAMPUS (MARINGÁ/PR)

- Business Administration
- Agronomy
- Architecture and Urbanism
- Performing Arts
- Visual Arts
- Biomedicine
- Biochemistry
- Computer Science
- Biological Sciences - Bachelor's
- Biological Sciences - Degree in Teaching
- Accounting Sciences
- Economics
- Social Sciences
- Communication and Multimedia
- Law
- Physical Education - Bachelor's
- Physical Education - Degree in Teaching
- Nursing
- Civil Engineering
- Food Engineering
- Production Engineering (Agroindustry)
- Production Engineering (Fashion Industry)
- Production Engineering (Civil Construction)
- Production Engineering (Software)
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Statistics
- Pharmacy
- Philosophy
- Physics
- Geography
- History
- Computing
- Languages-Degree in Teaching (Portuguese)
- Languages-Degree in Teaching (Portuguese/French)
- Languages-Degree in Teaching (Portuguese/English)
- Languages-Degree in Teaching and Bachelor's Degree in Translation (English)
- Mathematics
- Medicine
- Music
- Dentistry
- Pedagogy
- Psychology
- Chemistry- Bachelor's Degree
- Chemistry- Degree of Teaching
- Trilingual Executive Secretariat
- Technology in Biotechnology
- Zootechny

REGIONAL CAMPUS OF CIANORTE (CIANORTE/PR)

- Accounting Sciences
- Design
- Fashion
- Pedagogy

CAMPUS OF ARENITO (CIDADE GAÚCHA/PR)

- Agricultural Engineering

CAMPUS REGIONAL DE GOIOERÊ (GOIOERÊ/PR)

- Production Engineering
- Textile Engineering
- Physics
- Full Major in Sciences

REGIONAL CAMPUS OF IVAIPORÃ (IVAIPORÃ/PR)

- Physical Education
- History
- Social Service

REGIONAL CAMPUS OF UMUARAMA (UMUARAMA/PR)

- Agronomy
- Environmental Engineering
- Civil Engineering
- Food Engineering
- Veterinary Medicine
- Food Technology
- Civil Construction Technology
- Environmental Technology

Distance-Learning Courses

The Distance-Learning Courses, that is, Public Management, Biology, Physics, History, Languages and Pedagogy, are differently and periodically offered due to the Open University System of Brazil. The Distance-Learning Center of UEM (NEAD) has 26 poles in Paraná State: Assai, Astorga, Bela Vista do Paraíso, Céu Azul, Cianorte, Cidade Gaúcha, Cruzeiro do Oeste, Diamante do Norte, Engenheiro Beltrão, Faxinal, Flor da Serra do Sul, Foz do Iguaçu, Goioerê, Ibaiti, Itambé, Jacarezinho, Nova Londrina, Nova Santa Rosa, Nova Tebas, Palmital, Paranavaí, São João do Ivaí, Sarandi, Siqueira Campos, Ubiratã, and Umuarama.



STRICTO SENSU GRADUATE EDUCATION

The Graduate Programs have shown a significant evolution, considering both number and quality. Nowadays, the Institution has 25 doctorate and 44 master courses (39 academic master degrees and five professional masters). Among these courses, two of them stand out with grade 6 in Capes; 10 courses with score 5, and 14 with the qualification grade of 4.

ACADEMIC GRADUATE PROGRAMS

Administration	M/D
Agronomy	M/D
Architecture and Urbanism (UEM/UJEL)	M
Biosciences and Pathophysiology	M/D
Bioenergy (UEM/NUCLEATOR/SETI)	M
Biostatistics	M
Comparative Biology	M/D
Environmental Biotechnology	M
Computer Science	M
Food Science	M/D
Agricultural Sciences (Umuarama city)	M
Biological Sciences (Cellular Biology)	M/D
Accounting Sciences	M
Health Sciences	M/D
Pharmaceutical Sciences	M/D
Physiological Sciences	M
Social Sciences	M
Ecology of Continental Aquatic Environments	M/D
Economic Sciences	M/D
Education	M/D
Physical Education (UJEL/UEM)	M/D
Education for Science and Mathematics	M/D
Nursing	M/D
Civil Engineering	M
Mechanical Engineering	M

Chemical Engineering	M/D
Urban Engineering	M
Philosophy	M
Physics	M/D
Genetics and Breeding	M/D
Geography	M/D
History	M/D
Languages	M/D
Mathematics	M/D
Integrated Dentistry	M/D
Sustainable Production and Animal Health (Umuarama)	M
Psychology	M/D
Chemistry	M/D
Animal Science	M/D

M - MASTER'S DEGREE D - DOCTORATE

PROFESSIONAL GRADUATE PROGRAMS

Agroecology
Physics (PROFIS)
Languages (PROLETRAS)
Mathematics (PROFMAT)
Public Policies

LATO SENSU GRADUATE EDUCATION

Some of the Lato Sensu graduate courses are not always offered. Nowadays, UEM has 51 specialization courses in several areas of knowledge.

The graduate distance-learning courses are the following three: Health Management, Public Administration and Municipal Public Administration.



EDUCATION PROGRAMS

PRECEPTORSHIP

The Student Integration Program (PROINTE), or Preceptorship, aims at providing help to students in disciplines of the following areas: Instrumental Statistics, Physics, Mathematics, Chemistry, Portuguese and English for Special Purposes. They are assisted by scholarship students at predetermined schedules. Currently, there are 117 tutors linked to this program in the different campuses of the Institution, meeting around 263 classes.

PET

The State University of Maringá has 14 subscribed groups in the Tutorial Education Program (PET) as it follows: Agronomy, Physical Education, Nursing, Civil Engineering, Textile Engineering, Chemical Engineering, Pharmacy, Physics, Computer Science, Mathematics, Dentistry, Education, Chemistry and Animal Science. The main purpose of PET is to engage students in a complete education, providing them with a deep and comprehensive view of their study field. It also seeks to improve undergraduate education, the student's broad academic background, interdisciplinary, collective action, and planning and implementation of several academic activities, either in groups or under the supervision of a preceptor.

PIBID

The Institutional Program for Initiation Grant to Teaching (PIBID) was established by Capes for the improvement and enhancement of teacher training for basic education. At the State University of Maringá, PIBID has existed since 2010 and currently serves 18 subprojects, involving 19 major courses with a partnership with 37 municipal and state schools in the region. 556 scholarships are granted and distributed to 447 major students, 38 coordinators and 71 supervisors. Its purpose is to awaken the vocation for teaching, as well as to encourage potential undergraduate students. Subprojects promote the integration of students in the context of public schools since the beginning of their academic training in order to develop didactic and pedagogical activities, under the guidance of both, a major professor and a school teacher.

CUIA

UEM is part of the University Committee for the Indigenous Peoples (CUIA), which embraces the public universities of Paraná state, and offers annually six vacancies in its undergraduate courses for indigenous students. The candidates undergo a selective process known as University Exam Entrance for Indigenous Peoples. CUIA provides access, monitoring and permanency to the indigenous academic students.



EDUCATION PROGRAMS

PARFOR

The State University of Maringá has offered courses through the National Plan for the Training of Basic Education Teachers (PARFOR) since 2011. There are, altogether, ten courses and 20 classes. PARFOR is a national program implemented by Capes, in collaboration with the Education Departments of the States, Federal Districts, Municipalities and the Higher Education Institutions (IES). The main purpose is to train basic education teachers of public schools in order to be suited up with the requirements of the National Education Guidelines and Framework Law (LDB). The pre-registration can be done through Plataforma Freire.

SPECIAL NEEDS

The Monitoring Program for Students with Special Needs meets disabled students, providing them with support for the development of theoretical and/or practical activities, according to their knowledge level and experience in the subject/course. It is administered by the Multidisciplinary Research and Support Program for People with Disabilities and Special Educational Needs (PROPAE).

PROFACULTY

The Teaching Degree Consolidation Program (PROFACULTY) was implemented by Capes. Its purpose is to stimulate innovation and improvement of the quality of training courses for Basic Education teachers, valuing the teaching career. In addition, there are other aims to be achieved, as it follows: improving the integration of both, the teaching courses and other disciplines; obtaining inclusion and innovation in curricula; training undergraduates with better developed articulation between theory and practice, and between higher and basic education as well; developing innovative methodologies for higher education; obtaining different training practices focused on solving problems of basic education; producing teaching activities, didactic materials, and research as the formative principle of the students.

SCHOLARSHIPS

The State University of Maringá also offers Monitoring and Education Scholarships for its students. The first program is focused on students with good grades in subjects that offer monitoring. The second one encourages students to take part in technical projects.



PATENTS

The State University of Maringá believes in the fact that passing knowledge is not enough. Its scientific competent community, nationally and internationally recognized, is involved with research, innovation, and science. In this scenario, the positive results are visible on the quality improvement of the graduation and post graduation courses, as well on the increase of both, scientific production and patents granted by the National Institute of Industrial Property (INPI). Currently, the University has six granted patents and other 93 applications under consideration. In addition, 12 computer programs and seven brands are registered in INPI.

The six granted patents of UEM are the following:

-  Fractionation Process of the Stevia leaves Components
(Inventors: Mauro Alvarez, Amaury César Cruz Couto)
-  Glass Calcium Aluminate with Low Silica Concentration Doped with Rare Land as a Fluorescent Source in East Region
(Inventors: Mauro Luciano Baesso, Juraci Aparecido Sampaio, Antonio Carlos Bento, Dione Fernandes de Souza)
-  Process for Obtaining Flour from Fish Carcass
(Inventor: Maria Luiza Rodrigues de Souza)
-  Reactive Dye Discoloration Process through Microbiological Agent
(Inventors: Célia Regina Granhen Tavares, Alessandra Zacarias dos Santos, Sandra Maria Gomes da Costa)
-  Laboratory Effluent Treatment Process Using Fenton Reagent Followed by Sulfate Chemical Precipitation
(Inventors: Célia Regina Granhen Tavares, Ervim Lenzi, Claudia Telles Benatti)
-  Heavy Metal Removal Process with Vehicle Battery Industry Efluentes: use of chitosan obtained from the silkworm pupa as a low-cost adsorbent
(Inventors: Alexandre Tadeu Paulino, Jorge Nozaki)



COMCAP

The University maintains the Central Complex Research Support (Comcap) to motivate and foster the development of multidisciplinary researches.

The implementation of the complex began with the creation of the Center for Advanced Materials Analysis, with the objective to consolidate research activities in the areas of New Materials, Agroindustrial Technology and Environmental Technology.

The complex also includes the plants: Molecular Biology and Structural; Documentation; Natural Products; Microscopy; Agricultural and Agribusiness; Studies on Global Changes; and Health Technology. All Comcap equipment structure is available to researchers and graduate students.

TECHNOLOGICAL INNOVATION

The NIT - Technological Innovation Center was created with the mission of managing the institutional policy of innovation and intellectual property. It seeks to foster the integration of UEM on the national innovation process, contributing to sustainable development, wealth generation and the improvement of population's quality of life, based on innovation. It also promotes the protection of knowledge generated in the University and enables interaction with the productive sector in order to provide the transfer of technology, contributing either directly to technological and social development of the country.

PRONEX

UEM owns seven researches being financed by the Support for Centers of Excellence Program (Pronex), through an agreement with Araucaria Foundation and with CNPq. Centers of Excellence are groups of researchers and high-level technicians in ongoing interaction with acknowledged expertise and tradition in their areas of technical and scientific activities. They are capable of working as a source for transforming scientific and technological knowledge for application on programs and projects of relevance to the development of the country.

The Centers of Excellence at UEM are: Advanced Optics for Food and Drug Compliance Certification, Performance and Quality Cattle Finished meat on pasture or confinement; Allelopathy of Agriculture Service in Parana: Laboratory Studies and field; Multidisciplinary Nano and microparticles for Bioactive Polymeric Drug Release: Veterinary Use; Aspects of Phytotechnical and Breeding Special Maize: sweet popcorn, baby corn, hominy grits, creole and forage; Studies of Raw Food Materials, Waste Utilization of Agro-Industry and Quality Control; and Research of Potential Anti-inflammatory, Anti-diabetic, lipid-lowering, Neuronal Regeneration and Antidepressant of Rosemary Essential Oil, Oily Chamomile Extract, Flaxseed Oil and Fish Oil.



UNITS AND RESEARCH CENTERS



ADVANCED RESEARCH BASE OF NUPÉLIA

The Advanced Research Base of Nupélia (Center for Research in Limnology, Ichthyology and Aquaculture) is located in Porto Rico, 170 km from Maringá, left bank of Paraná River, in the border between Paraná and Mato Grosso do Sul. The Base has equipped laboratories and ten vessels for research studies, as well as accommodation for the institution researchers in their field of work in the region and an auditorium for teaching and environmental education activities.

Within the scientific scenario, the base is home for 'site 6' Long Term Duration Ecological Program, funded by CNPq for over 10 years, and Demosite Paraná River Floodplain, Brazil, which is part of Demonstration Projects on Ecohydrology program. That is inserted into the International Hydrological program, and sanctioned by Unesco. Many other scientific projects have been designed in the Base installations or from its infrastructure through national and international exchanges.

The Base also supports the development of several undergraduate and graduate research projects for national institutions, such as the UEM itself, the State University of Londrina, Parana University, Federal University of Goiás, and international agencies such as the University of Glasgow, Mississippi State University and Texas A & M University.

EXPERIMENTAL STATION OF FISH FARMING

The University maintains in Floriano district, 20 km away from Maringá, the Experimental Station of Fish farming which houses the first research center in Latin America on genetic improvement of Tilapia of the Nile. This project has a partnership with the Agricultural Technology Institute of Maringá and the studies have increased the economic and the social potential of fish farming. In addition it helps the industrialization of products, by using the skin of tilapia for production of handbags, shoes and clothing. The station is run jointly with the Agricultural Development Company of Paraná.

IRRIGATION CENTER

The University also has the Irrigation Training Center, created to spread and disseminate new technologies and irrigation practices, in addition to housing of the greenhouses of the Phytotechny research groups and teaching garden.

EXPERIMENTAL FARM

The Experimental Farm of Iguatemi (FEI) supports the practical classes, internships, research development and extension for both undergraduate and graduate degrees in Agronomy and Animal Science. Located in an area of 170 hectares, it is as far as 18 km away from Maringá, the structure of the FEI includes the agricultural and the livestock sectors. The first is responsible for the planting of multiple annual crops, fruit, coffee, forestry and soil conservation. Still in this sector, the FEI has the Seed Analysis Laboratory, the Training Center in Agricultural Mechanization and the Entomology Laboratory.

The animal science sector is divided and structured according to the course of specialties, which include the following areas: Beekeeping, Poultry, Dairy Cattle Raising, Cattle Raising Cutting, Goat Raising, Cuniculture, Equine, Sheep and Swine. It also features the transfer of embryos and Forage Laboratory. The farm also houses a milk processing plant with capacity for 1000 liters of milk per hour. All of the milk produced in the FEI is pasteurized in the plant and then sold within the University in a sales outlet on main campus.



UNITS AND RESEARCH CENTERS

MESO-REGIONAL EXCELLENCE CENTER IN MILK TECHNOLOGY

UEM is part of a statewide network of Meso-Regional Centers of Excellence in Milk Technology and holds, in the Experimental Farm, one of eight Centers headquartered in the public universities of Paraná. The project was distributed into geographic regions of the state where dairy farming is significant. The scope of this network is to coordinate efforts of teams of researchers, extension workers and academic graduate and undergraduate, to produce more and better results in activities organized search.

In practical terms, the idea of the centers is supply the chain to serve as a support to increase production with better quality, better pay with good deal of sold product. That way the centers will increase the technological extension by disseminating knowledge generated by the higher education institutions and applied research.

UEM's Meso-Regional Center of Excellence in Milk Technology also contributes to the integration of the University within the Community, either directly with farmers and their representatives or in the attendance to industry and end consumers who benefit directly and indirectly with the results achieved by the team researchers.

The Meso-Regional Center also provides support for undergraduate courses in Animal Science, Agronomy, Food Engineering and Postgraduate Diploma in Animal Science.

The project also brings meaningful contributions to Experimental Farm of Iguatemi, which in addition to physical and laboratory infrastructure, has gained a new outlook for research, technological development in the area of milk and extension activities.

Physical infrastructure

The Center has its own structure, built in the Experimental Farm of Iguatemi. It has a furnished amphitheater for 80 people, a training room /course of 40 seats, greenhouses area and muffles.

It is also highlighted the Laboratories for Analysis of Milk Quality and for analysis of Food and Animal Nutrition, which combine high-performance equipment.



UNITS AND RESEARCH CENTERS

CENTER OF APPLIED RESEARCH TO AGRICULTURE

Featuring modern laboratories and developing relevant researches, the Applied Research Center for Agriculture (Nupagri), is recognized both in the country and abroad and maintains scientific technical agreements with renowned institutions. International exchanges stand out with the University of California (Davis); Michigan State University; Texas Tech University; USA Department of Agriculture - USDA, ARS (USA); North Dakota State University; Japan International Research Center for Agricultural Sciences (JIRCAS); Universidad Juárez Autónoma de Tabasco (UJAT); National Scientific and Technical Research Council - CONICET (Argentina), among other institutions.

The Nupagri originated from a technical cooperation agreement signed in 1994 between the UEM and the Ministry of Agriculture aiming at promoting the use of the research Laboratories of the former Brazilian Coffee Institute (IBC) by the university.

In the Center some research projects are developed, such as: Genetic Improvement of the Common Bean Plant Aiming at resisting diseases; Improvement of Special Maize: Common Popcorn, Sweet corn, Forage maize; Characterization and Preservation of Plant Genetic Resources: Cotton, common beans, apple, cassava; Quality Rating on Seeds; Handling and Cultural dealing with Cassava, Maize, Bean, Soybean, and Canola; Vegetable Genetic Improvement and Biotechnology; and Storage Technology, Seed and Grain Drying.

Regarding to the generation of products from researches, Nupagri has already developed: a variety of White starch cassava, introduced to cultivation in the 90s; two varieties of corn; two new varieties of common bean, which are in the stage of registration in the Ministry of Agriculture, and soon shall populate the farms of Parana farmers; and the improvement of the cassava growing practices by introducing the minimum tillage and the direct planting.



INTERNATIONALIZATION

The internationalization has an increasing profile worldwide, and the State University of Maringá is part of this process.

The Institution integrates five international networks: Coimbra Group (GCUB), the Francophone University Association (AUF), the Latin American Council of Social Sciences (Clacso), Tordesillas Group and Zicosur (South America Midwest integrated Zone). The institution also maintains partnerships with universities from 19 countries: Germany, Argentina, Belgium, Canada, Chile, Colombia, Cuba, Denmark, Spain, The United States of America, France, Italy, Mexico, Palestine, Paraguay, Peru, Portugal, Sweden and Uruguay. In addition, UEM invests in identifying opportunities and signing agreements with universities and research institutions from other countries.

The agreements allow, in addition to the mobility of faculty and students, carrying out joint projects and research. Among the student mobility programs, the main is the one known as Science without Borders. Moreover, the State University of Maringá also publishes a mobility announcement each semester, and receives scholarships from the following institutions: Osnabrück University, Germany; Santander, and Marca Program. UEM participates in the Sandwich PhD Program abroad, from Capes, through which its PhD students go to other countries. Faculties and university civil servants have the Capes and CNPq scholarships to obtain their PhD abroad. Furthermore, a lot of mobility programs for faculties and PhD students are carried out among the interested staff, not institutionally.

UEM also focus its attention on students and faculties from other countries, who may attend a Portuguese language course for Foreigners.



EXTENSION

- There are 460 projects in the area, permanent and temporary, divided into segments of Communication, Human Rights and Justice, Education, Environment, Technology and Production, Labor, Health and Culture.
- 253 extension scholarships for undergraduate students.

It has a strong performance in the social area

- The Metropolis Observatory: assists municipalities in the region
- Unitrabalho network: takes part on the formation of social economy cooperatives
- Legal services to the poor community

Service provision

- The Language Institute (ILG) and the Institute of Japanese Studies offer, altogether, six languages.
- The School of Music also offers several courses, from beginner to professional.
- Provent - attends the university community and family, offering counseling and treatment in dependency cases in relation to alcohol and other drugs.
- Padeq - Offers to the wide community some activities to make people aware of prevention and treatment of substance abuse and their psycho-social relations.
- Patronato - provides service to about 1,400 egresses benefited from the progression to an open prison, probation, sentenced to outdoor work, probation and services to the community. It also serves people with probation by determination of the Court of Criminal Executions, Judges of the Criminal Courts and the Federal Court, with penalties of restriction of rights. All work is developed in educational and re-socializing way.

*Provent - Chemical Dependent Prevention and Treatment Program

*Padeq - Attention Program for Dependent on Chemicals



CULTURE

Culture is one of the approach channels with the community through projects, events, services, exhibitions, cultural performances, in addition to offering courses in fine arts, performing arts, music and dance.

Many of these activities are performed by groups that the institution holds. One of the oldest is the University Theater of Maringá (TUM). It was established in 1987 and has since held several montages by creating permanent workshop montages and projects related to schools, training teachers and community.

Earth is an extension project in ceramics, weaving and painting faience. The complementation of artistic training, social inclusion and income generation are among the goals of the group which operates in the area of education. The group also promotes researches on ceramic bodies with different materials adaptable to weaving and painting styles in faience in various cultures.

The Apis (Fine and Industrial Arts) develops artistic research activities and participation in collective, individual and artistic-cultural exhibitions shows, in order to provide a basis for training new artists to develop their own, rich and varied language.

The Fogaça, University Folkloric Group of Folk Dances appeared in 1989 starting from performing a course on popular dances. Since then, the group has been working on finding the roots and respect for the legitimate manifestations of our culture.

The dancing workshop appeared in 1992, originally to develop activities with children and youth, UEM servers' children. Very soon, the group started to insert the outside community, developing artistic activities based on various styles from contemporary dance, without ignoring the culture and popular traditions.

Aiming at researching and disseminating the art of tap dancing, the TAP Group began as from offered courses by the Directorate of Culture. The group's resume lists choreographies of national and international reputation with the creation of a unique choreography for the TAP.

The UEM Choir, established in 1973, has the musical approach focused on popular singing, mainly Brazilian popular music. However does not fail to walk through the Brazilian musical roots, such as indigenous and African songs.

The Chamber Orchestra also known as Orchestra of UEM, aims to offer a performance space for musicians who want to devote to the chamber music and symphonic repertoire. The orchestra's activities are supported by a solid educational process that is aimed at developing quality music and preparing participants for the job Market in the field.

UEM also has the Abacatu Group that develops artistic activities focused on fiscal citizenship, Pau-de-Fita Group that works with Puppet Theater, the Orchestras of flutes and guitars, Choro Project, the Study Group and research on Art Wall and six other choirs.



MUSEUMS

Currently, the role of museums surpasses the function of seeking, preserving, studying and displaying objects of lasting historical and artistic interest value. They (the museums) also make the integration between the institution and the community, through scientific, cultural and educational activities.

PARANÁ BASIN MUSEUM

The Paraná Basin Museum (MBP) has come up with the purpose of coordinating the development of researches in the river basin area of the Paraná River and to serve as an agglutination center concerning the memory of Maringa and region.

The initial collection has been formed by an entomological collection, which has been enhanced by donations of the population and other organs. The Companhia de Melhoramento Norte do Paraná (Paraná Northern Improvement Company) (CMNP), in charge of the settlement of the city of Maringa, ceded its historical collection made up of photographic panels, documents, office equipment, photo albums, topographic Instruments, fragments of plant stems, among others.

The MBP has always had as its action the formal support on schooling through thematic and artistic exhibitions. It has developed various projects and exhibitions such as the history of other peoples, immigration, and the military coup, among others.

DYNAMIC INTERDISCIPLINARY MUSEUM

The Dynamic Interdisciplinary Museum (Mudi) promotes the integration between the University and the community, through scientific, cultural and educational activities.

The Mudi projects cooperate to educate professionals committed to social issues by shortening the path between the production of knowledge and its popularization.

A great job of informal and non-formal education has been developed through visits, lectures, courses, radio show, theatrical shows and musicals.

The Mudi offers several themed environments for visitation: Life as It was; Orchids and Bromelias Nursery; Education for Health; Second Brain space; Physics experiences and recreations workshop; Digital inclusion; Human and Animal Morphology; and Chemistry for Life.

The collections and experiments have important uses, among them the awareness of the dangers of smoking to human health and the environment; the prevention of abusive use of alcohol; the prevention of breast cancer, early pregnancy, STDs and AIDS;

Currently, through the project 'Dramatizing on Citizenship', the Mudi, through a partnership with governmental agencies and entities, provides three shows for the community "O Auto da Barca do Fisco", "Uma Nota Maestro" and "A Farça do Fiscal que se casou com uma Trambiqueira".



UNIVERSITY OPEN FOR THE ELDERLY

The Open University Program for Senior Citizens UEM (Unati) offers an average of 40 to 50 courses per semester for about 700 students on campus of Maringa. In Cianorte, the unit began in July 2013 and currently serves 88 students divided into four groups. They are offered, for free, courses in different knowledge areas, organized into six themes: Culture and Art, Communicative Processes and Procedures, Physical and Mental Health, Physical and Social Environment, Law and Citizenship and Humanities.

Unati's one of the goals is to offer the opportunity to supply the needs of students and to perform their skills. The program believes that the expansion of knowledge and the raising of the cultural level allow greater social and political participation and the protection of their rights as citizens. People are served from 60 years of age. The public is characterized by its diversity of education level, socioeconomic level, age, life experiences, physiological abilities and physical conditions.

The elderly of the region also have access to the Program on Aging Reference Center (Procere), which offers various activities in health, counseling, recreation and social life. One can schedule in the segments of law, Physical Education, Nursing, Pharmacology, Geriatrics, nutrition, geriatric dentistry, Pedagogy and Psychology.



HEALTH COMPLEX

The State University of Maringá has a health complex consisting of a Regional University Hospital of Maringá (HUM), a Regional Blood Center, a Dental Clinic, an Applied Psychology Unit (UPA), a Poison Control Centre (CCI), and several laboratories, including the Teaching and Research in Clinical Analysis (Lepac).

Created 26 years ago, mainly, to support the Medicine and Nursing courses, the hospital is an important reference to support the Unified Health System (SUS) in the region with more than 130 municipalities.

With 123 beds, including adult, pediatric, newborn UTI (Intensive Therapy Unit) and Intermediate Care, serves, only in Emergency Care, around 44 thousand people per year.

The hospital also makes on average of 37 000 attendances in the Specialties Clinic, about 9,600 hospitalizations and nearly 287,000 examinations per year.

In order to expand the service and continue forming socially committed professionals, the hospital physical area, today around 15 thousand square meters, is being enlarged.

There are almost eight thousand square meters being built and four thousand to be started. It is in progress the construction of the second stage of the industrial block, the operating room and the central solid waste. Those works are expected to be completed by 2018.

Attached to the hospital, the Blood Center collects blood in 30 municipalities, it produces and distributes blood products as red blood cells, plasma and platelets to more than 30 hospitals.

One of the newest achievements was the opening of the Children's Oncology Clinic which is responsible for diagnosing cancer in children and adolescents.

On average the unit diagnoses, per month, three or four children with cancer. When the Children's Oncology Clinic is in full operation, the patient after being diagnosed, will be able to receive treatment in the public system of Maringá. It is not necessary to displace children and family to Curitiba.

In the Poison Control Center (CCI), the SUS users receive quality service on cases of poisoning and accidents with venomous animals. The center registers an average of 2,400 assistances. The aim of the CCI is to reduce the incidence and death for toxicological accidents in Paraná.



HEALTH COMPLEX

In the Applied Psychology Unit (UPA) around eight thousand people are assisted per year. They receive clinical, school and work care.

The Clinical Analysis Laboratory (Lepac) receives health units patients from over a hundred municipalities linked to the macro-region Northwest. Around 150 to 200 medical services are made daily. Among them, collection of blood samples and other materials for different analyzes.

Lepac makes tests to detect diseases such as leishmaniasis, hepatitis types A, B and C, AIDS, tuberculosis, leprosy and Chagas disease. In the case of AIDS, the laboratory also monitors the progression or regression of the disease in the body, through CD-4 and CD-8 cells control tests.

The Human Milk Bank aims to provide milk to children who can not receive the mother's own milk and need it as vital factor. UEM still remains the projects: Development, Production Control of Medication in Industrial Scale; Handling drugs in Pharmacy Education; Health information in Maringá: contributions to integration and improvement; Gynecologic Cancer Prevention; Medication Information Service.

The population in need get, with the Dentistry course support, treatment in various specialties in the Dental Clinic. The services are offered with a professor supervision in areas such as dentistry, periodontics, dental prosthesis, endodontics, surgery, orthodontics, radiology, stomatology, pediatrics and pathology. Patients are also attended on the specialization courses, such as endodontics, stomatology, implants, orthodontics and prosthodontics. On average, the clinic executes about 12,000 procedures a year, serving 4,500 patients.

