



University of the Philippines Los Baños

A Globally Competitive Research and Graduate University
Contributing to National Development



University
Prospectus
2017



University of the Philippines Los Baños

Learning and Leisure Place





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University of the Philippines Los Baños University Prospectus

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University of the Philippines Los Baños
College, Laguna 4031 Philippines
Tel/Fax No. 63 (049) 536 3604
Email: learnmore@uplb.edu.ph
Website: <http://www.uplb.edu.ph>

Editorial consultant: Fernando C. Sanchez, Jr., Ph.D., Serlie B. Jamias, Ph.D., and Aldo Gavril T. Lim | **Editors:** Josephine M. Bo, Mark Jayson E. Gloria, and Pamela Joyce M. Eleazar | **Production staff:** Ma. Russell A. Natoza, Kristine E. Araguas, Juan Paolo A. Aquino, Jessa Jael S. Arana, Albert Geoffred B. Peralta, Ray Angelo P. Nasino, Marissa D. Borromeo, and Avelino B. Palivino | **Layout:** Maribeth C. Jadina | **Photographs:** Christopher V. Labe, Vandolph R. Maningas, Jessa Jael S. Arana, Juan Carlos T. Gonzalez, Bong Salazar, and Smplicio Q. Veluz.

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The University would like to thank the students, colleges, officials, and the Office of the University Registrar whose inputs have contributed to the development of this publication.

About the Cover

Three of the honor graduates of 2015 (from left to right), Paul Alteo A. Bagabaldo (BS Nutrition, *cum laude*), Jesel R. Bagos (BS Nutrition, *magna cum laude*), and Francis Kate L. Cimbacruz (BS Human Ecology, *cum laude*) are garbed in the UP Sablay that is worn on top of ecru/beige/cream dress or long sleeve barong and black pants. The UP Sablay replaces the traditional mortarboard and toga.

UPLB's Strategic Plan

Vision

A globally competitive graduate and research university contributing to national development

Mission

To develop leaders committed to advance inclusive growth through education, research, and public service

Our core value

Working together for excellence

Institutional Outcomes

- 1** Lead in searching for knowledge in agriculture, forestry, biotechnology, veterinary medicine, mathematics, engineering, food and nutrition, the arts and humanities, and the social sciences
- 2** Conduct basic and applied research and development, thereby contributing to the generation of new knowledge and products
- 3** Undertake community, public and volunteer service, as well as scholarly and technical assistance to the government, the private sector, and civil society
- 4** Demonstrate democratic values and practice responsible citizenship and nationalism, while actively interacting with the global community and helping address global issues, at the same time promoting the Filipino identity

Key Goals and Programs

- 1** To sustain academic excellence and leadership
- 2** To utilize knowledge and technologies towards inclusive growth
- 3** To create an enabling environment for creativity and innovation



Message from the Chancellor

From its traditional strengths in agriculture and forestry, UPLB has branched out and has developed a solid reputation in instruction, research, and public service in veterinary medicine, environmental science and natural resource management, food science, agri-biotechnology, biological and physical sciences, engineering, and social sciences.

UPLB graduates are recognized for their intelligence and excellence, and have thus been entrusted with leadership positions in the academe, government, and industry. The University's knowledge and technological products have improved the quality of life of many people. These would not have been possible without the consistent and firm dedication of our forebears to make each product of UPLB bear a mark similar to that of "sterling on silver."

These gains provide us the impetus to forge ahead and respond to the challenges of an integrated global community. We have consolidated our resources to come up with a strategic plan that will help attain UPLB's vision to be a globally competitive graduate and research university that contributes to national development.

We are sustaining UPLB's tradition of excellence through academic innovations that revitalize and create internationally accredited degree

programs responsive to the needs of the country, the integrated ASEAN, and the relevant sectors within. We nurture a stable corps of eminent educators, scientists, and researchers from our graduates who are excellence-driven, socially committed, and preferred by the industry.

UPLB is helping attain inclusive growth by making knowledge and technologies accessible, appropriate, and scalable for communities and industries. We are gearing our researches towards influencing national development policies. In order to advocate for our knowledge products and technologies, we are enhancing UPLB's presence and visibility through active brand and image building.

We are nurturing an enabling environment for creativity and innovation where sustainable resource generation is a key strategy. This is through formulating time and cost-efficient administrative procedures, maintaining a secure, safe and peaceful campus, and providing adequate learning, mentoring, and research facilities to our constituents.

With everyone's commitment, we are steadfastly pursuing these objectives to attain our vision of becoming a globally competitive graduate and research university that contributes to national development.

Fernando C. Sanchez, Jr., Ph.D.

A globally competitive graduate and research university contributing to national development: this is the guiding vision of **Fernando C. Sanchez, Jr., Ph.D.**, the 9th Chancellor of the University of the Philippines Los Baños, as he leads the University towards excellence and relevance not only in the country, but to the rest of the world. Dr. Sanchez, a UPLB alumnus and a professor at the College of Agriculture and Food Science, has aligned curricular development and accreditation, partnerships, research, public service, infrastructure development, and staff/student welfare to the said vision.



Welcome to UPLB

We aim to sustain academic excellence through innovations that revitalize and create internationally accredited degree programs that are responsive to the needs of the country and the ASEAN.

ASEAN University Network-Quality Assurance Certificate

Five academic programs, namely: BS Biology, BS Agricultural and Biosystems Engineering, BS Development Communication, BS Agriculture, and BS Forestry completed and passed the ASEAN University Network Assurance (AUN-QA) certification process.

Centers of Excellence in Research

The Institute of Plant Breeding, Institute of Food Science and Technology, Institute of Animal Science, National Crop Protection Center, Farming Systems and Soil Resources Institute, and National Institute of Molecular Biology and Biotechnology are recognized as Centers of Excellence in research. The Philippine National Collection of Microorganisms and the Central Analytical Services Laboratory of BIOTECH are 17025:2005 accredited laboratories.

CHED Centers of Excellence and Development

Nine academic courses in Agriculture, Agricultural Engineering, Biology, Forestry, Information Technology, Environmental Science, Development Communication, Statistics, Veterinary Medicine were accredited by the Philippine Commission on Higher Education (CHED) as Centers of Excellence, and Chemical Engineering as a Center of Development.

National Centers of Excellence in the Basic Sciences

The Institute of Mathematical Sciences and Physics, Institute of Chemistry, and Institute of Biological Sciences are recognized as National Centers of Excellence in the Basic Sciences based on Presidential Decree No. 889 signed in 1983.





Some of the first professors and the first 12 students of the UP College of Agriculture held their first classes in June 1909 in tents that were borrowed from the Bureau of Education. The first temporary building was still then four months away from completion.

At a Glance

The University of the Philippines Los Baños (UPLB) is one of the eight constituent universities of the University of the Philippines (UP). UP has produced 7 presidents of the Republic of the Philippines; 12 Chief Justices; 57 National Artists; 34 National Scientists; and countless senators and members of the Congress, as well as leaders in their own fields of expertise in local and global organizations.

UP endeavors to nurture the 'best and the brightest,' and puts a high premium on excellence in character, social consciousness, and commitment to nation building.

Established in 1908, UPLB is steeped in the same tradition of honor and excellence upheld by UP. UPLB's forebears generated countless breakthroughs in research and established trailblazing leadership in agriculture, veterinary medicine, and forestry education in the country and in Southeast Asia. Its pioneering programs in these fields have been the models of colleges and universities offering the same programs nationwide.

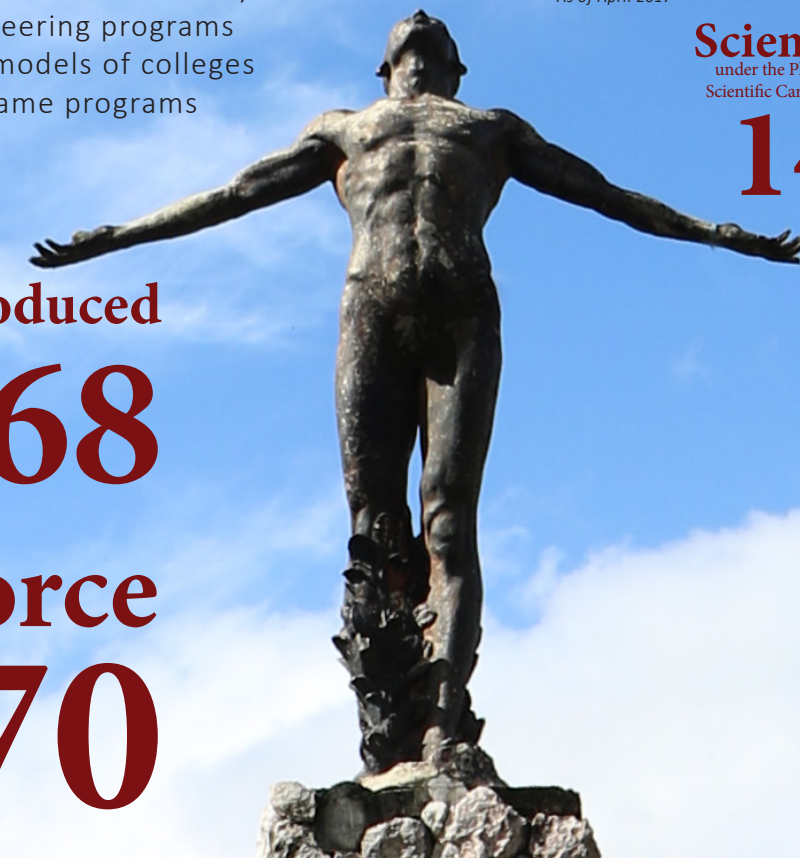
Total Faculty
1,015

Administrative Personnel
1,291

REPS **REPS**
Research, extension and professional staff **Faculty**
456 **11**

*As of April 2017

Scientists
under the Philippines Scientific Career System
14



Graduates Produced
68,168
Workforce
2,770

UPLB started as the College of Agriculture in 1909. It is one of the eight constituent universities of the University of the Philippines (UP) System, which was founded on June 18, 1908 by Act No. 1870 of the First Philippine Legislative. UP is the one and only national university of the Philippines.

The **Oblation** is not only the most popular icon of UP. It is also an embodiment of UP's ideals of selfless service to the people. UPLB's replica of the Oblation was made by National Artist Napoleon Abueva, while the original statue by National Artist Guillermo Tolentino is housed in UP Diliman in Quezon City.

Location

UPLB is located 65 kilometers south of Manila, in the science and nature city of Los Baños.

The integrated campus and its experimental farms are 85-439 meters above sea level and sprawl over 981 hectares at the foot of Mt. Makiling. Contiguous to the upper campus is the 4,244-ha Mt. Makiling Forest Reserve (MMFR), which, along with 9,444-ha land grants in Laguna, Quezon, and Negros Occidental, comprise part of UPLB's research, development, and extension areas.

Total Campus area	15,211 ha
Makiling Forest Reserve	4,244 ha
Land Grants	9,444 ha
Integrated Campus	981 ha

UPLB, as a steward of these areas, conducts research activities toward sustainable productivity and efficient utilization of natural resources. It maintains the ecological balance, safeguards biodiversity, and preserves watershed areas of the MMFR and of these land grants.



Walkways that network buildings promote a pedestrian-friendly environment and a green campus.

On-campus living

UPLB is almost a self-contained community with amenities that promote learning, health and wellness, and socialization and recreation right within or a stone's throw away from the campus.

Most of the classes for courses under the general education program are held in buildings at the core academic zone. Clustered in strategic spots not far from these buildings are common service facilities such as libraries, frontline offices, athletic fields, food services, and the University Health Service. Dormitories for students and guests are also situated nearby.

The Freedom Park, athletic field, bikers' and joggers' lanes, bowling lanes, and basketball and tennis courts provide opportunities for nurturing health and wellness. The lush and greenery, and the grandeur and magnificence of towering trees make the campus a perfect place for learning and leisure.

Cultural, arts, and sociocivic groups regularly hold performances in public spaces, at the DL Umali Hall, and in other venues. Such performances are usually open to the public.

For variety, located within and near the campus are restaurants, fastfood joints, and coffee shops, as well as places where one can play board games, cards, and billiards. One can also head off to Calamba City, 19 km from Los Baños, to watch movies, go shopping, or experience the local cuisine. Hot spring resorts, as well as eco-tourism and adventure parks also abound in the town and neighboring areas.



Always a sight to behold, the rain tree (*Samanea saman*) adorns a part of the lower football field.



The **Nihon Koen**, a traditional Japanese garden with the Torii as the centerpiece, can be found near the Thai Pavilion (see photo on the third row). The Nihon Koen symbolizes Philippine- Japan friendship, which is enhanced by the strong bond and academic partnership between Filipino scholars and universities in Japan. This project was conceived and funded by the Philippine Association of Japanese Government Scholars-Southern Luzon Chapter (PHILAJAMES-SLC).



This is one of two pillars standing on either side of the main entrance to the University. On it are murals in terra glass mosaic showing how UPLB has come a long way from a small college of UP at the beginning of the century into the first autonomous university in the UP System. Installed in 1978 from a design by Filipino mosaic artist Elizabeth Grace Chan, the first seven panels trace the roots of UPLB, and the eighth panel shows a vision of UPLB in the future.



The **Golden Jubilee Pavilion** or more popularly called the Thai Pavilion is a memorial to the firm commitment and the friendly relations between the Kingdom of Thailand and the Philippines. It was erected in 1996 to mark the 50th anniversary of the accession to the throne of His Majesty King Bhumibol Adulyadej. It was inaugurated in ceremonies attended by HRH Princess Galyani Vadhana Kuan Luang Naradhiwas Rajanagarinda in 1997.



Research

UPLB houses one of the highest concentrations of scientists and researchers in the country. They provide technical expertise in agriculture, forestry, veterinary medicine, natural resources management and conservation, biotechnology, environmental management, and related areas to farmers, entrepreneurs, and investors; government, non-government, and civil and people's organizations; and to R&D agencies and the country's policy makers.



UPLB implements interdisciplinary and transdisciplinary programs and collaborative R&D activities with its partners to better address complex development concerns.

Los Baños is home to international and national research and development institutions. This facilitates interdisciplinary research collaborations, that in turn, enrich instruction and help the University carry out its public service mandate.

International and National R&D Institutions: International Rice Research Institute, Southeast Asian Ministers of Education Organization-Regional Center for Graduate Study and Research in Agriculture, ASEAN Centre for Biodiversity, World Agroforestry Centre Philippines, International Service for the Acquisition of Agri-biotech Applications, Ecosystems Research and Development Bureau, Forest Products Research and Development Institute, Department of Science and Technology, and the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development

Research and public service centers and learning museums: Dairy Training and Research Institute, National Institute of Molecular Biology and Biotechnology, Institute of Plant Breeding, National Plant Genetic Resources Laboratory, National Crop Protection Center, Institute of Food Science and Technology, Institute of Animal Science, Farming Systems and Soil Resources Institute, Agricultural Machinery, Testing and Evaluation Center, La Granja Research and Training Station, Makiling Center for Mountain Ecosystems, Postharvest Horticulture Research and Training Center, Training Center for Tropical Resources and Ecosystems Sustainability, Institute of Cooperatives and Bio-Enterprise Development, Center for Technology Transfer and Entrepreneurship, Museum of Natural History, Anatomy Museum, and Parasite Collection Center

Centers of Excellence in Research

Farming Systems and Soil Resources Institute

The FSSRI pursues R&D strategies that improve the individual and community-based systems in various agro-ecosystems of the country. It offers individual and institutional services that meet farmers' needs for technical assistance; project conceptualization and development, addressing distressed agricultural productions; training; and information. The FSSRI has been merged into the Agricultural Systems Institute, a degree granting unit of the College of Agriculture and Food Science (CAFS).

Institute of Animal Science

The IAS was established as part of the nationwide effort to address short and long-term needs of the food and agriculture industry for the country through instruction, research, and extension in animal production. It is a degree granting unit of CAFS.

Institute of Food Science and Technology

The IFST implements instruction, research, and extension in food science and technology covering cost-effective utilization, processing, or conversion of raw agricultural and fishery commodities into safe, quality, and affordable food and food products. It deals with quality concerns at the interface between food production and consumption. The IFST is another degree granting unit of the CAFS.

Institute of Plant Breeding (IPB)

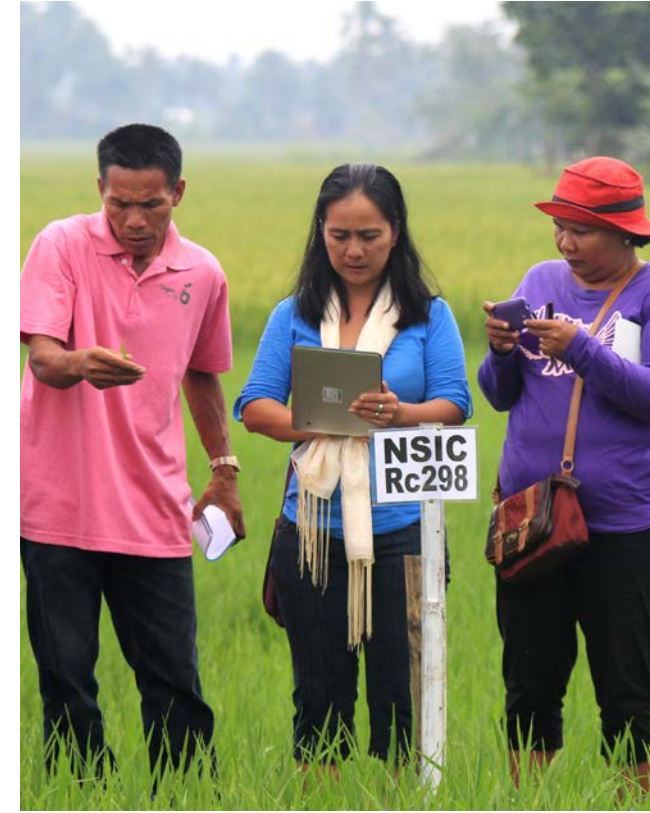
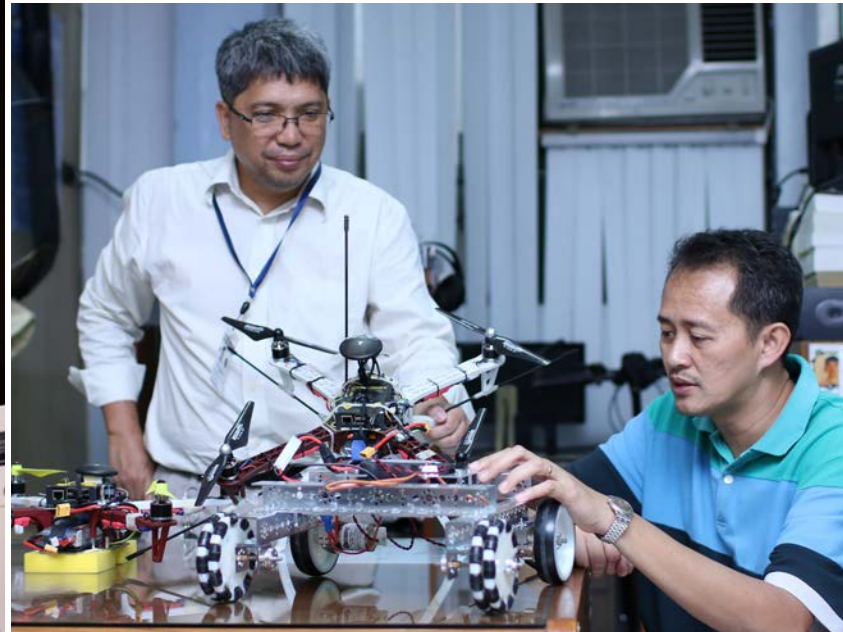
Crop biotechnology research and breeding for all improved crops is carried out at IPB. It also hosts the National Plant Genetic Resources Laboratory, the Philippines' germplasm bank of economically important plants in Asia and Southeast Asia. The bank ensures the protection of biodiversity and the conservation of useful, traditional, and wild varieties as genetic resources for breeding new improved varieties. IPB is an RDE unit of the CAFS.

National Crop Protection Center (NCPC)

NCPC is a center of excellence in instruction, research, and extension in entomology, plant pathology, weed science, and pest management. It develops environmentally sound, sustainable, and cost-effective pest management programs and technologies to address the crop protection concerns of the national research agenda and of small farm holders. It hosts the National Plant Diagnostic and Health Center as well as a Plant Pest Clinic. NCPC is also an RDE unit of the CAFS.

National Institute of Molecular Biology and Biotechnology (BIOTECH)

BIOTECH implements R&D for basic and applied researches on molecular biology and biotechnology addressing needs related to agriculture, forestry, environment, energy, and industry. It hosts the Philippine National Collection of Microorganisms (PNCM) that has been identified as a National Reference Laboratory for microbiology. PNCM is ISO 17025:2005-certified.



Extension has evolved into public service to encompass a broader spectrum of activities involving community engagement. This includes volunteerism, training, technical assistance and advisory services, communication and information services, technology transfer and utilization, scientific presentations, and extension and action programs. Public service enables UPLB scientists and researchers to “keep their ears to the ground” in order to better respond to the needs of UPLB’s stakeholders.

Public service exemplifies the culture of gratitude and of selfless service to the country. Public service defines the *Iskolar ng Bayan Para sa Bayan*.



Public Service

Public service has always been a part of UPLB even as it was established as the UP College of Agriculture (UPCA) in 1909. Extension, as public service was referred to, along with instruction and research, became known as UPCA’s trilogy of functions.

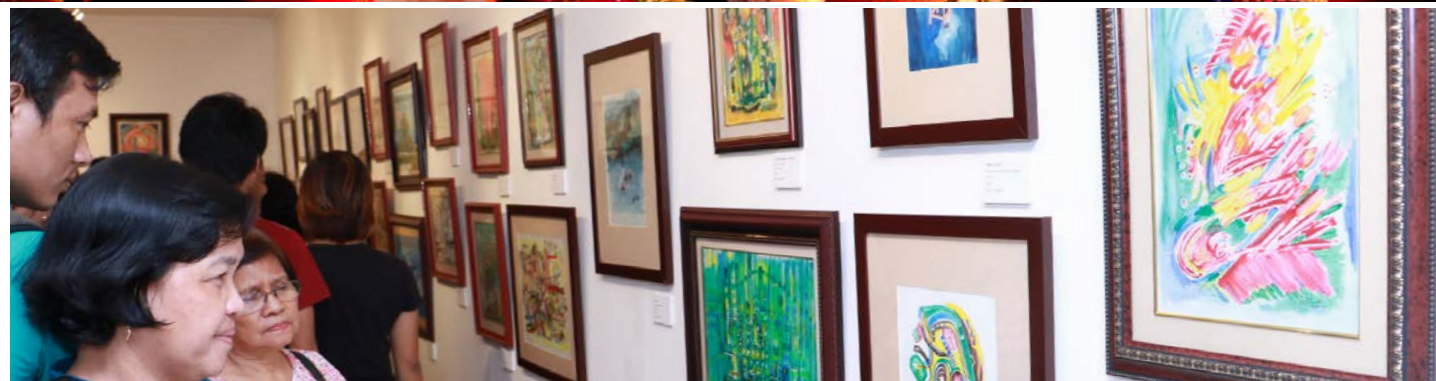




The Mt. Makiling Forest Reserve was declared the 33rd ASEAN Heritage Park in 2013.

Learning and Leisure Place

UPLB is located at the foothills of the legendary Mt. Makiling, which has an elevation of 1,090 meters and covers an area of 4,244 hectares. Mt. Makiling is one of the Philippines' 18 centers of plant diversity and 32 key ecotourism sites. The Mt. Makiling Forest Reserve (MMFR) – a prime ecotourism destination – is managed by UPLB by virtue of RA 6967. In 2013, it was named as the 33rd ASEAN Heritage Park



Culture and the Arts

UPLB has established the Office for Initiatives in Culture and the Arts. It has also pursued initiatives to preserve and promote the Filipino cultural heritage in the Southern Tagalog area through arts under the Southern Tagalog Studies Program.

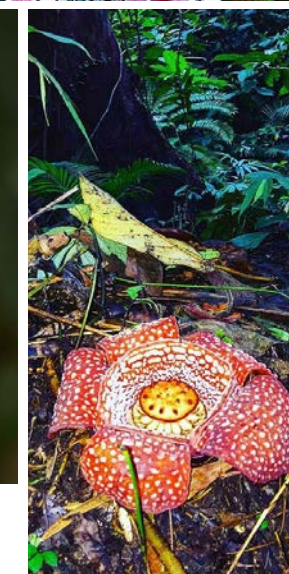
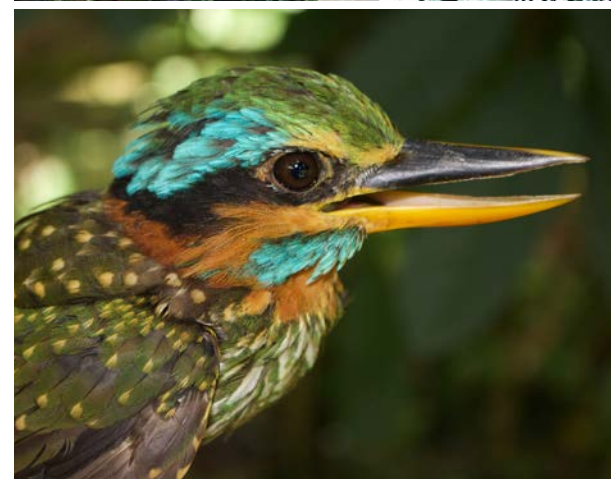
UPLB is an exuberant and fertile environment for the arts. It not only offers theater courses but also promotes the fusion of science and art in pedagogy. The University counts a number of known visual and theater artists among its faculty.

The University sponsors and collaborates on events that help nurture a deeper appreciation for and understanding of culture and the arts, uphold the dynamism and diversity of Filipino culture, and encourage artistic traditions cultivated in the local soil. The arts development program serves as a celebratory and collaborative showcase of artistic expressions rooted in the Southern Tagalog region.

UPLB is a dynamic melting pot with people from various cultures taking up residence inside and in the vicinity of the campus. This plurality has created a richly textured UPLB cultural scene, in the arts and food, especially.



Beyond providing the environmental services that help sustain the campus and the communities at its foothills, Mt. Makiling symbolizes UPLB's success in keeping its avowed duty to help protect the environment, not only in its capacity as administrator but also through instruction and research in forest conservation and environmental science and management. Mt. Makiling has served as a training laboratory for instruction, research, and extension of UPLB by virtue of Republic Acts 3523 and 6967.



On Sept 25, 2013 in Surabaya, Indonesia, the MMFR was designated as the 33rd ASEAN Heritage Park. This recognition has boosted the efforts of UPLB and the local communities in safeguarding the MMFR and its flora and fauna.



Academic excellence demands a nurturing environment for creativity and innovation. Thus, UPLB fosters an organizational culture of teamwork; the greatness that it aspires to be is contingent on the relationships built by its constituents.



A bustling academic community



Home to 14,500 students

Academic and research linkages

UPLB maintains linkages with more than 100 foreign and six Philippine institutions. These include student and faculty exchanges, joint collaborative researches and creative projects, exchange of materials, research linkages, scholarship programs, and conduct of lectures, trainings and symposia. It hosts foreign exchange students and endorses outbound students to partner universities abroad.

The Netherlands
Wageningen University

Belgium
Universite Libre de Bruxelles

Czech Republic
Czech University of Life Sciences
Mendel University in Brno
Tomas Bata University in Zlin

Canada
University of British Columbia

United States of America
Colorado State University
Kansas State University
University of Florida
Texas A&M University
Michigan State University
North Carolina State University
University of Hawaii at Manoa
University of Hawaii at Manoa
College of Social Sciences & School of Communications
Oklahoma State University
Mississippi State University
Southern Illinois University Carbondale
University of Illinois



SEAMEO SEARCA
SEARCA University Consortium
Universitas Gadjah Mada, Indonesia
Institut Pertanian Bogor, Indonesia
Kasetsart University, Thailand
Universiti Putra Malaysia
Tokyo University of Agriculture, Japan
Georg-August University of Goettingen, Germany
University of British Columbia, Canada

Poland
University of Warsaw
Germany
Philipps- Universitat Marburg

Spain
University of Granada
Slovakia
Slovak University of Agriculture in Nitra
Hungary
Eötvös Loránd University
Liberia
The University of Liberia

Mozambique
Instituto de Investigação Agrária de Moçambique

China
Chinese Academy of Agricultural Sciences
Guizhou University

Turkey
Kocaeli University

Vietnam
Hue University
Nong Lam University
Thai Nguyen University of Agriculture and Forestry

Indonesia
Ahmad Dahlan University
Andalas University
Maranatha Christian University

Korea
Catholic University of Korea
Chonbuk National University
Chonnam National University
Chungnam National University
Far East University
Hankyong National University
Kangwon National University
Korea University - Sejong Campus
Kyungnam University
Kyungpook National University
Pusan National University - College of Natural Resources and Life Sciences
Korea-Asia Tourism Cultural Network (KATCN)
Seoul National University

Laos
National University of Laos
Thailand
Kasetsart University
Maejo University
Ubon Ratchathani University
Rajabhat Maha Sarakham University
National Astronomical Research Institute of Thailand
Silpakorn University
Khon Kaen University
Walailak University
Chiang Mai University
Sukothai Thammathirat Open University

Cambodia
Royal University of Agriculture
University of Southeast Asia

Narotama University
Universitas Gadjah Mada
University of Jambi
Universitas Machung

Universitas Pelita Harapan
Surabaya
Institut Pertanian Bogor
Sebelas Maret University

Japan
Chiba Institute of Technology
Chiba University
Doshisha University
Gunma Prefecture
Hokkaido University
Graduate School of Agriculture
Houeï Group
Junsei Educational Institution
Kibi University
Kobe University
Kumamoto University
Kurume University
Kyoto University
Kyoto University - Faculty and Graduate School of Economics
Kyoto Prefectural University

Russia
Primorskaya State Academy of Agriculture

Nagasaki University
Nagoya University
Nagoya University Asian Satellite Campus
Nagoya University - Graduate School of International Development
Miyazaki University
Obihiro University of Agriculture and Veterinary Medicine
Osaka University
Tokyo Metropolitan University
Tokyo University of Agriculture
Tokyo University of Agriculture and Technology
University of Tokyo
Saitama University

Taiwan
National Sun Yat-sen University
National Taiwan University - College of Bioresources and Agriculture

Malaysia
Universiti Malaysia Kelantan
Universiti Putra Malaysia
Universiti Sabah Malaysia
Universiti Malaysia Sarawak

Papua New Guinea
West New Britain Technical College

Australia
Royal Melbourne Institute of Technology
University of Queensland
Australian National University

The University aims to produce graduates who are not only competent and confident of their intellectual skills, but who are attuned to the needs of their communities and are ready to heed the call of public service. Hence, we ensure the quality of our curricular programs.



Comprehensive Degree Offerings

UPLB offers 28 undergraduate, 11 masters with over 50 specializations, and 29 doctoral degree programs to an average of 14,500 students through its nine colleges and three schools. It collectively offers more than 1,000 courses and subjects in agriculture, arts and letters, communication, computer science, economics and management, engineering, environmental science, forestry, human ecology, nutrition, natural and social science, and veterinary medicine.

Five UPLB degree programs are recognized by the **ASEAN University Network-Quality Assurance (AUN-QA)**. These are BS Biology, BS Agricultural and Biosystems Engineering, BS Development Communication, BS Agriculture, and BS Forestry. Some of UPLB's academic and research institutes have also been named national centers of excellence by virtue of a presidential proclamation.

The **Philippine Commission on Higher Education (CHED)** has awarded some of its units as **Centers of Excellence (COE)** and **Centers of Development (COD)** for continuously demonstrating excellence in instruction, research and publication, extension and linkages, and institutional qualifications.

Moreover, UPLB through the Graduate School, hosts the **Nagoya University Asian Satellite Campus (NUASC)** through which the Transnational Doctoral Programs for Leading Professionals in Asian Countries is implemented. The program enables Filipinos to enroll in NU doctoral programs without having to be physically present in Nagoya for the entire duration of the course. NU's Graduate School of Bioagricultural Sciences and Graduate School of International Development offer the doctorates in bioagricultural sciences and international development, respectively, through the NUASC.

UPLB has a presence in Mindanao, the southern island of the Philippines, where its expertise in agriculture and environmental science is much needed. This is through the establishment of the **UP Professional School for Agriculture and the Environment (UP PSAE)** on November 24, 2016 in Agriya City in Panabo, Davao del Norte.

Through the UP PSAE, UPLB will offer world class education in agriculture and environmental science to Mindanao in order to help build knowledge capital in this region that is poised to become an important gateway and corridor for the movement of goods and services in an integrated ASEAN.

UPLB has initially offered Master of Science in Entomology courses as well as short training courses in agriculture and environmental science under the supervision of the UPLB Graduate School. Eventually, UP PSAE will become a new school of UPLB offering residential graduate programs and administered by a dean.

Academic Calendar

Semester 1: August- December

Semester 2: January- May

Undergraduate Degree Programs

College of Agriculture and Food Science

Agriculture
Agricultural Biotechnology
Food Technology
Agricultural Chemistry*

College of Arts and Sciences

Agricultural Chemistry*
Communication Arts
Philosophy
Sociology
Applied Mathematics
Applied Physics
Biology
Chemistry
Computer Science
Mathematics
Mathematics & Science Teaching
Statistics

College of Development Communication

Development Communication

College of Economics and Management

Agribusiness Management
Agricultural Economics
Economics

College of Engineering and Agro-industrial Technology

Agricultural and Biosystems Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Industrial Engineering

College of Forestry and Natural Resources

Forestry

College of Human Ecology

Human Ecology
Nutrition

College of Veterinary Medicine

Doctor of Veterinary Medicine

*Joint program of the College of Agriculture and Food Science and the College of Arts and Sciences



Graduate Degree Programs

Master of Arts

Communication Arts
Sociology

Master of Agriculture

Agronomy
Horticulture

Master of Communication Arts

Master of Development Management and Governance

Master of Forestry

Forest Biological Sciences
Forest Resources Management
Social Forestry
Silviculture & Forest Influences
Wood Science & Technology

Master in Information Technology

Master of Management

Agribusiness Management and Entrepreneurship
Business Management
Cooperative Management

Master of Science

Agricultural Chemistry, Agricultural Economics, Agricultural Education, Agricultural Engineering, Agrometeorology, Agronomy, Animal Science, Applied Nutrition, Biochemistry, Botany, Chemical Engineering, Chemistry, Computer Science, Community Development,

Development Communication, Development Management and Governance, Economics, Entomology, Environmental Science, Extension Education, Family Resource Management, Food Science, Forestry (Forest Biological Sciences, Social Forestry, Forest Resources Management, Silviculture and Forest Influences, Wood Science and Technology), Genetics, Horticulture, Mathematics, Microbiology, Molecular Biology and Biotechnology, Natural Resources Conservation, Plant Breeding, Plant Genetics Resources Conservation and Management, Plant Pathology, Rural Sociology, Soil Science, Statistics, Veterinary Medicine, Wildlife Studies, Zoology

Master of Professional Studies

Food & Nutrition Planning

Master in Public Affairs

Agrarian & Rurban Development Studies
Education Management
Strategic Planning & Public Policy

Master in Veterinary Epidemiology

Joint Program

Professional Masters in Tropical Marine Ecosystem Management with UP Marine Science Institute (MSI) of UP Diliman and UP Visayas

Off Campus Programs

MSc in Mathematics
Professional Masters in Tropical Marine Ecosystems Management
Master of Science in Entomology
Master of Management in Business Management
Master of Science in Development Communication
Master of Science in Development Management and Governance
Master of Science in Natural Resources Conservation
PhD in Development Studies

Doctor of Philosophy

Agricultural Chemistry, Agricultural Economics, Agricultural Education, Agricultural Engineering, Agronomy, Animal Science, Biochemistry, Botany, Computer Science, Community Development, Development Communication, Development Studies, Entomology, Environmental Science, Extension Education, Food Science, Forestry (Forest Biological Science, Forest Resources Management, Silviculture and Forest Influences, Wood Science and Technology), Genetics, Horticulture, Human Nutrition, Microbiology, Molecular Biology and Biotechnology, Plant Breeding, Plant Pathology, Soil Science, Statistics

Straight PhD PhD by research





Agriculture and Food Science



The **College of Agriculture and Food Science (CAFS)** is the premier institution of higher learning in agriculture and food science in the country. It offers undergraduate and post-graduate curricular programs that promote science-based, relevant, and sustainable agriculture and food science.

CAFS aims to produce human resource, new knowledge, and technologies that are essential in developing globally competitive, and modern agriculture-based industries in the country.




CAFS has five degree-granting institutes, namely: Agricultural Systems Institute (ASI), Institute of Animal Science (IAS), Institute of Crop Science (ICropS), Institute of Food Science and Technology (IFST), and Institute of Weed Science, Entomology, and Plant Pathology (IWEP). Its five research, development, and extension units are the Institute of Plant Breeding (IPB), Postharvest Horticulture Training and Research Center (PHTRC), National Crop Protection Center (NCPC), Dairy Training and Research Institute (DTRI), and La Granja Research and Training Station (LGRTS).

Research and Extension

The College conducts more than half of the country's total agricultural researches, covering the areas of plant breeding, postharvest handling and primary processing, crop production, crop physiology, propagation, food science, animal and dairy sciences, and farming systems. Research thrusts focus on locally generated resources, agricultural resource management, extension and methodologies, support systems, and policy studies.



For more details

 ca.uplb.edu.ph
 ca.uplb@up.edu.ph
 +63 49 536 3535

Agriculture

4-Year Course | 157 Units

The BS Agriculture program aims to educate students towards a career in scientifically-based sustainable agriculture, to enable them to develop and effectively manage a self-reliant and economically viable agriculture-related enterprise, and to prepare them to become socially committed professionals. Students may opt to pursue thesis or major practice in any of the following internship options- teaching, research, entrepreneurship, or extension/community service. This career can be pursued in any of the following major areas and fields of specialization:

Agricultural Extension

Agricultural Systems

Agronomy Crop Production and Management
Plant Breeding
Weed Science
Seed Science and Technology

Animal Science Animal Breeding
Animal Nutrition
Animal Physiology
Animal Production and Management
Meat Science
Dairy Technology

Entomology IPM/Economic Entomology
Biological Control
Insecticide Toxicology
Host Plant Resistance to Insects
Insect Molecular Biology
Insect Physiology and Biochemistry
Insect Pathology and Microbiology
Medical and Veterinary Entomology
Insect Transmission of Plant Pathogen
Acarology
Pesticide Chemistry
Insect Taxonomy/Systematics

Horticulture

Crop Breeding
Crop Production and Management
Tissue Culture
Postharvest/Primary Processing
Landscaping (for ornamentals)
Seed Technology (for vegetables)
Crop Physiology

Landscape Agroforestry

Plant Pathology Biological Control
Disease Management
Epidemiology and Disease Modeling
Fungal Physiology and Genetics
Phytopathology
Postharvest Pathology
Genetics of Host-Pathogen Interaction

Mycology
Molecular Plant Pathology
Phytonematology
Plant Virology

Soil Science Soil Survey and Classification
Land Use
Soil Microbiology
Soil Physics
Soil Chemistry
Soil Fertility/Plant Nutrition
Soil Conservation and Management



Agricultural Biotechnology

4-Year Course | 150 Units

The BS Agricultural Biotechnology program aims to produce graduates who have knowledge and skills in the application of biotechnology, genetic control, and environmental manipulation technologies to improve agricultural production and maintain quality agroenvironments. They are competent in discussing issues and concerns related to biotechnology and form science-based decisions, well trained in technology innovation and bioentrepreneurship, and able to work well independently and as members of interdisciplinary teams.

The program has four majors: Plant Biotechnology; Animal Biotechnology; Food Biotechnology; and Crop Protection Biotechnology.

Food Technology

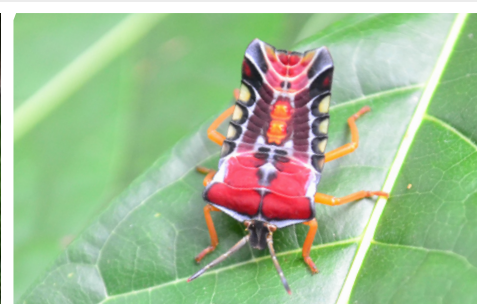
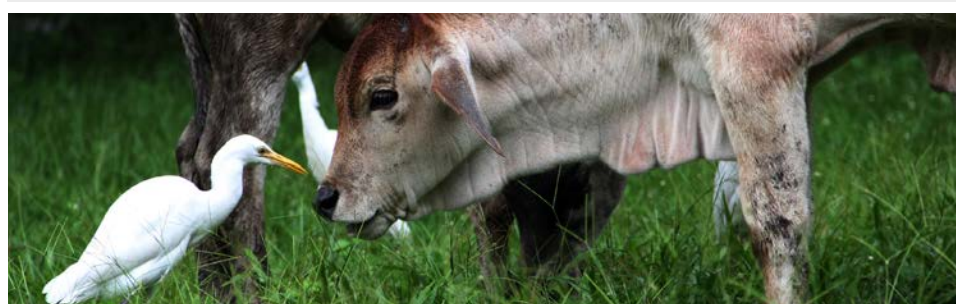
4-Year Course | 157 Units

The BS Food Technology program is designed to address the demand in the food industry and academic research institutions for highly trained human resource in the field. This technology-based curriculum responds to the needs of the modern times and society towards sustained economic development. This will provide students with technical and entrepreneurial knowledge and skills to face the continuing challenges in the food industry.

The students may opt for a program with thesis or with practicum and special problem. Fields of specialization are Food Chemistry; Food Microbiology; and Food Engineering.

Agricultural Chemistry

Please see page 40 for details on the BS Agricultural Chemistry program, which is jointly offered by CAFS and the College of Arts and Sciences.





Arts and Sciences



The **College of Arts and Sciences (CAS)** is the center of education in the basic sciences, humanities, liberal arts, and foundation courses in UPLB.

CAS is composed of five institutes, namely: the Institute of Biological Sciences (IBS), Institute of Chemistry (IC), Institute of Computer Science (ICS), Institute of Mathematical Sciences and Physics (IMSP), and Institute of Statistics (INSTAT). It also includes three departments and one high school, namely: the Department of Humanities (DHUM), Department of Social Sciences (DSS), Department of Human Kinetics (DHK), and the UP Rural High School (UPRHS).

CAS holds the distinction of having three National Centers of Excellence in the Basic Sciences (biology, chemistry, and mathematical sciences and physics) based on Executive Order No. 889 signed in 1983, and three Commission on Higher Education's (CHED) Centers of Excellence (biology, information technology, and statistics). Moreover, on February 18, 2014, the BS Biology program passed the ASEAN University Network (AUN) Quality Assurance Standard.

Research and Extension

The College conducts extension activities ranging from training programs including short-term English language course/tutorials for graduate and undergraduate international students; technical assistance and laboratory services; consultancy services; and cultural performances. The basic specialized training programs, which constitute the bulk of extension activities regularly offered by the College, are designed to increase livelihood know-how, boost teaching and research capability, and improve managerial skills of the intended clientele.

For more details

cas.uplb.edu.ph
cas.uplb@up.edu.ph
+63 49 501 5822



Communication Arts

4-Year Course | 144 Units

The BA Communication Arts program seeks to produce graduates who demonstrate critical understanding and rigorous application of the various theories of language, literature, communication and performance, and who are driven by the spirit of social responsibility. Students are exposed not only to the fields of public relations and advertising, but are adequately trained in the program's areas of concentration: Writing, Speech Communication, and Theatre Arts. Students may choose to conduct a thesis or do practicum work in various media outfits and communication offices.

Sociology

4-Year Course | 148 Units

The BA Sociology program, which has thesis/practicum and non-thesis options, complements the science and technology-oriented programs of the technical colleges and institutes of UPLB. It seeks to combine the breadth of the liberal arts tradition, the depth of specialization in the field of sociology, and the flexibility of a wide range of electives in the social sciences.

Philosophy

4-Year Course | 144 Units

The BA Philosophy program harnesses the students' critical thinking, creativity, innovativeness, and sensitivity to Philippine issues. It gives emphasis on the application of philosophy to the Philippine context (with 18 units of applied philosophy courses) and aims to produce graduates who will exert pioneering efforts to uncover, highlight, and examine indigenous Filipino thought through speculative analysis. It emphasizes the role of research and extension in uncovering the richness of the Filipino mind embedded in Philippine culture, arts, politics, and folkways.

Applied Mathematics

4-Year Course | 145 Units

The BS Applied Mathematics program is a four-year program that aims to produce graduates proficient in the use of mathematics in modeling complex natural and social phenomena critical to the solution of vital problems facing the nation. Students are made to choose from a wide variety of elective courses in operations research, actuarial science, biomathematics, mathematical finance, and other fields.

Applied Physics

4-Year Course | 153 Units

The BS Applied Physics program is a four-year curriculum designed to train students in the use of fundamental physics concepts and principles for practical problem solving. The program has three areas of specialization—Computational Physics, Experimental Physics, and Instrumentation Physics. Each provides students with a specific set of knowledge and technical skills needed to approach problems in astrophysics, bio- and environmental physics, condensed matter materials physics, and other disciplines.

Biology

4-Year Course | 153 Units

The BS Biology curriculum provides the students with a holistic view of life through the integration of the biological sciences, such as zoology, botany, and microbiology with the physical sciences, such as physics and chemistry. It allows the student to choose a major from the following areas and disciplines of biology: Ecology, Genetics, Cell and Molecular Biology, Microbiology, Plant Biology, Systematics, Wildlife Biology, and Zoology. To meet the major requirements, the student may select any one of the following options: (a) 6 units of thesis plus a minimum of 24 units of major course work; (b) 3 units of special problem plus a minimum of 27 units of course work; (c) 3 units of practicum plus a minimum of 27 units of major course work (for microbiology majors only); or (d) a minimum of 30 units of course work in a major area.

Chemistry

4-Year Course | 160 Units

The BS Chemistry program is designed to produce highly trained chemistry practitioners for industry as well as for academic and research institutions who can engage in industry practice, teaching, research, and development and extension work in all areas of basic and applied chemistry. It requires more than the 60 units of chemistry courses set by the Professional Regulation Commission as minimum requirement for anybody to be permitted to take the Chemistry Licensure Examination. The rigorous preparation enables graduates to become professional chemists in top academic, industrial, and government institutions, or to pursue further studies in chemistry, material science, and other allied fields, or even pursue medicine or law.

Computer Science

4-Year Course | 144 Units

The BS Computer Science program aims to produce graduates highly capable of working in the computer industry and who are well-equipped to pursue graduate studies in computer science by providing a broad-based and coherent coverage of computer science. Students develop a reasonable level of understanding about the subject areas of the discipline, as well as an appreciation of the interrelationships among these areas. Students are also trained in the methodologies of computing in research and development. Specialized courses are offered as electives to ensure depth of study in some subject areas.



Mathematics

4-Year Course | 139 Units

The BS Mathematics program represents the breadth and depth of mathematics- from classical to contemporary and from the theoretical to the applied. The curriculum enhances the students' mathematical and critical thinking skills, and develop in them a greater appreciation and understanding of the importance of mathematics in history and in the modern world.

Mathematics & Science Teaching

4-Year Course | 148-152 Units

The BS Mathematics and Science Teaching program is designed to produce versatile teachers who can teach all high school mathematics and science courses with proficiency, and who can perform action researches using current technology, strategies, and methods. A joint program of IBS, IC, and IMSP, this curriculum is a version of the BS Education program that is stronger in the area of mathematics and science teaching. It requires 27-30 units of major (all content) courses and 9-12 units in any one of three minor areas.

Statistics

4-Year Course | 153 Units

The BS Statistics program provides students with a solid foundation in statistics and mathematics through core and major courses, and an exposure to various fields where statistics may be applied. It is designed to produce graduates who can do very well in any field where they may find employment, be it in research, industry, or in the academe. Aside from the GE, mathematics, legislated, and statistics courses, the curriculum includes foundation courses in biology, physics, and chemistry to expose students to basic concepts and practices in scientific investigation and a core course in economics that exposes students to the social relevance of statistics. It includes programming courses in computer science to prepare them for careers related to programming.

Agricultural Chemistry

5-Year Course | 194 Units

This BS Agricultural Chemistry program is jointly offered by the CAS and CAFS. It prepares chemists who are specially trained to tackle chemistry problems related to food and agriculture in support of the agricultural and rural development thrusts of the country. Students in this program take more than the 60 units of chemistry courses set by the Professional Regulation Commission as the minimum requirement for taking the Chemistry Licensure Examination. The program also requires 15 units of specialization courses that the student can utilize to satisfy the minimum requirement for taking the Agriculture Licensure Examination. Moreover, the rigorous preparation enables graduates of this interdisciplinary degree program to become professional chemists who can secure employment in top academic, agro-industrial and government institutions; and pursue an academic or research career or graduate studies in chemistry, biochemistry, physiology, nutrition, or other food and agricultural fields allied with the chemical sciences.

Development Communication



The **College of Development Communication (CDC)** is the pioneer in the practice and study of development communication in the Asian region. Although it became a full-fledged college only in 1998, its history spans more than half a century. Its infancy dates back to the 1950s with the establishment of the Office of Extension and Publications under the then UP College of Agriculture. This unit would then be transformed into the Department of Agricultural Information and Communication in the 1960s.

In more than five decades, CDC has metamorphosed from a service unit into the first academic institution in the world that offers Bachelor of Science, Master of Science, and Doctor of Philosophy programs in Development Communication. Its curriculum is now the template of similar degree programs offered by other academic institutions in the Philippines and other developing countries. The College is the Commission on Higher Education's Center of Excellence (COE) in communication and development communication in 1999-2002 and in 2012-2014, respectively. CDC continues to enjoy the distinction of being the lone COE in development communication from 2015 to 2018.

Research and Extension

CDC has been involved in local, national, and international research and extension (R&E) programs that revolve around various development-oriented topics, and on basic research activities, such as eliciting constructs on devcom and determining knowledge management practices.

To make the most use of information and communication technology for development at the international level, the College has established the global web portal on Collaborative Change Communication for Development and the regional web portal on Communication for Development in cooperation with the United Nations Food and Agriculture Organization.

Among its extension services are the conduct of regular training programs for community journalists, airing of development radio programs over Radyo DZLB and TV programs over a local cable channel, publication of Los Baños Times (print and online), establishment of a community rural radio in Bangladesh, and adoption of public schools for educational communication programs.

For more details

🏠 devcom.edu.ph
✉ mail@devcom.edu.ph
☎ +63 49 536 3356

Development Communication

4-Year Course | 151 Units

The BS Development Communication program enables students to apply the insights, concepts, techniques, and processes of communication as an academic discipline to the problems of development. The thrust of the curriculum is participatory communication designed to empower stakeholders to achieve social goals.

The curriculum aims to develop a corps of devcom professionals in teaching, research, and practice who are equipped with holistic devcom skills. These skills will enable them to undertake capacity building, advisory, and action projects applying communication as a process to attain empowerment and equity of people, communities, institutions, and other participants in the development process.

The four-year BSDC curriculum is designed to enable the student to:

1. Acquire a theoretical base in the sciences and applied arts that underlie the study of development communication;
2. Learn practical skills in mediated and interpersonal communication;
3. Gain a basic grasp of the issues and problems of development in general and of a development area in particular; and
4. Apply the concepts, principles, and skills of communication to help solve the problems of a developing society.



Engineering and Agro-industrial Technology

The **College of Engineering and Agro-industrial Technology (CEAT)** is a premier institution of higher learning in engineering education; a center of excellence in engineering instruction, research, and extension; a leader in the generation and promotion of applied technologies; and a partner of the government, industries, and international agencies for agro-industrial development.

Since its institution, CEAT has become one of the best engineering schools in the country as proven by the following honors that it currently enjoys: top performing school in the Agricultural, Electrical, Civil, and Chemical Engineering board examinations given by the Professional Regulation Commission; AUN assessment for its Bachelor of Science in Agricultural and Biosystems Engineering; CHED Center of Excellence in Agricultural Engineering and Center of Development for Chemical Engineering; and Member of the Engineering Research and Development for Technology (ERDT) Consortium.



Research and Extension

CEAT's research and extension units are the Center for Agri-Fisheries and Biosystems Mechanization (BIOMECH) and the Agricultural Machinery Testing and Evaluation Center (AMTEC). These units are strengthened by Republic Act 10601 (AFMech Law 2013), which promotes the development and adoption of modern, appropriate, cost-effective, and environmentally safe agricultural and fisheries machinery and equipment to enhance farm productivity and efficiency in order to achieve food security and safety, and increase income.

BIOMECH and AMTEC provide a conducive environment for local assembling and manufacturing of engines, machinery and equipment for agricultural

and fisheries production, processing, and marketing. They support instruction by providing research opportunities to CEAT faculty, students, and staff to improve the agri-fisheries research and development (R&D) sector and to address the major RDE mechanization challenges on food security, energy sustainability, environment protection, and climate change.

CEAT provides valuable and timely information and technical support in the field of agricultural mechanization and structures, agricultural processing, land and water resources, farm power, renewable energy, biofuels, and chemical engineering.

For more details
ceat.uplb.edu.ph
ceat.uplb@up.edu.ph
+63 49 536 2873

Agricultural and Biosystems Engineering

5-Year Course | 195 Units

The BS Agricultural and Biosystems Engineering program provides the basic education for developing skills and professional knowledge common to the specialized fields of agricultural and biosystems engineering. The curriculum integrates engineering science and design with applied biological, environmental and agricultural sciences that allows the students to develop professional command of a particular specialized area of discipline such as agricultural power and machinery for bio-production systems, agricultural and bio-process engineering, agrometeorology and farm structures or land and water resources engineering. The BS curriculum provides the basic entry level competencies into engineering designs, biosystems and agro-industrial development, operation processes, and services including teaching and research.

Chemical Engineering

5-Year Course | 194-196 Units

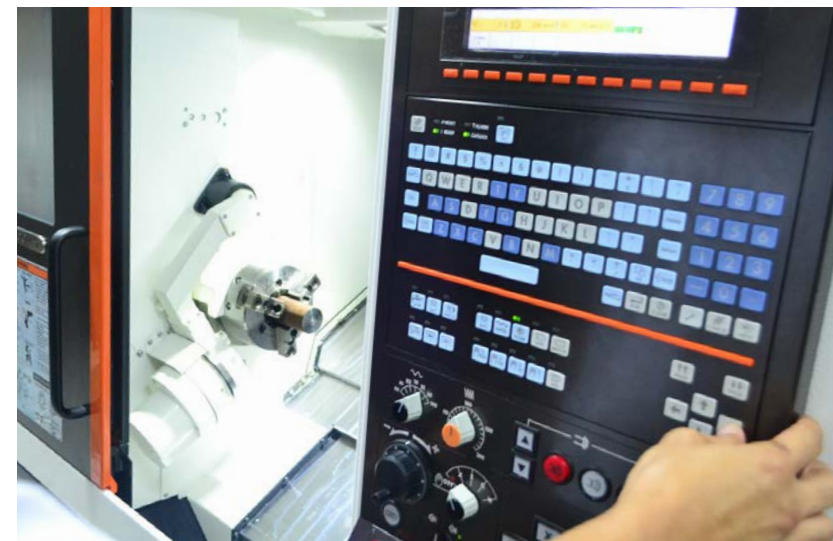
The graduates of the BS Chemical Engineering curriculum are expected to meet the technical manpower requirements of the emerging agri-based industries and traditional chemical process industries, specifically in the area of bio-process engineering and chemical process engineering. Chemical engineers with some understanding of bio-processes are needed to scale up production from laboratory to bench levels into the industrial level. In the long run, local processing of raw materials into consumer and industrial products should help raise rural income, generate foreign exchange, and protect the Philippine economy from adverse external trade conditions. Students in this course may major in Sugar Technology and Pulp and Paper Technology.



Civil Engineering

5-Year Course | 190 Units

One of the most important aspects of rural development in the Philippines is the continuing need for infrastructure for transportation, communication, commerce, education, human settlements, energy development, and agriculture. In the age of modern technology and interdependence of people and institutions, civil engineers constitute a specialized group of trained manpower whose expertise is indispensable for the design and construction of infrastructure for residential homes, business offices, water supply systems, and waste-disposal facilities. The program aims to produce, competent civil engineering graduates who can effect the development of structural systems that are safe, economical, and efficient. UPLB seeks to help upgrade the quality of civil engineering education in the country.



Electrical Engineering

5-Year Course | 190 Units

The BS Electrical Engineering program offers an excellent opportunity for students to acquire solid academic preparation in electrical and electronic circuit theory and analysis. Graduates of the program are expected to be fully equipped and able to enhance the level of their competencies as they chart their professional careers in the development mainstreams, particularly in power, electronics, and computer engineering, including equipment/instrument design.

Each student may specialize in one or more of the following fields: (a) power engineering; (b) electronics engineering; and (c) computer engineering. Moreover, the student may choose to conduct a thesis study, or conduct practicum work as a specialization course.

Industrial Engineering

5-Year Course | 191 Units

This curricular program aims to enable students to acquire the competence to plan, design, install, and evaluate integrated systems of personnel, materials, equipment, energy, and information in ways that reduce costs and increase system efficiency and effectiveness. Through the program, the students are provided technical competencies for industrial systems analysis, design, and management.

This program is distinct from other curricula in industrial engineering because it requires the students to conduct and document a thesis study/research or practicum study to complete the course.





Economics and Management



The **College of Economics and Management (CEM)** is composed of the Departments of Agricultural and Applied Economics (DAAE), Economics (DE), and Agribusiness and Management and Entrepreneurship (DAME), Institute of Cooperatives and Bio-Enterprise Development (ICOPED), the Agribusiness Center for Entrepreneurship (ACE), and the Rural Economic Development and Renewable Energy Policy Program (REDREPP).

CEM envisions itself as a center of excellence in undergraduate and graduate instruction, research, and extension in economics, agricultural and applied economics, cooperative development, management, and entrepreneurship in Asia. CEM engages in policy and development-oriented research, policy advocacy, and extension services that promote efficiency, equity, competitiveness, and environmental sustainability.

Research and Extension

The College conducts R&E activities in economics, agricultural and applied economics, and agribusiness management focused on promoting efficient and competitive economic activities, improving income distribution, protecting the environment, and managing natural resources. CEM collaborates with the private sector, cooperatives, national government agencies, and selected national and foreign universities through interdisciplinary research, students and faculty exchange programs dissemination of research findings, and technical assistance.

For more details
 🏠 cem.uplb.edu.ph
 ✉ cem.uplb@up.edu.ph
 ☎ +63 49 536 4750

Agricultural Economics

4-Year Course | 146 Units

The BS Agricultural Economics program is designed to meet the demand for professional agricultural economists in the country. It provides students the basic knowledge in the agricultural sciences and an understanding of the technological aspects of agriculture. It also equips them with the basic tools of economic analysis to identify and recommend solutions to economic problems of production and organization. Moreover, the program provides the students with a solid background in the social sciences to enable them to appreciate the socio-economic framework of the economy.

Economics

4-Year Course | 142 Units

The BS Economics program aims to produce graduates who possess: 1) the necessary skills in quantitative and policy analyses for teaching and research in economics; 2) the ability to analyze, synthesize, and evaluate economic concepts, issues, and data relevant to policy decision-making in the public or private sector; and 3) a deep appreciation of the economic issues and problems besetting the country, as well as an objective and critical attitude towards the arguments and policies meant to address them.

The BS Economics Program has two fields of specialization: Development Economics and Natural Resource Economics.



Agribusiness Management

4-Year Course | 146 Units

The BS Agribusiness Management program develops expertise in the management of farms, agro-industries, and public agencies engaged in planning and implementing agribusiness development projects and programs.

Students specializing in the area will be exposed to business concepts, economic principles, and management tools necessary to solve marketing, financial, production, and personnel concerns of agriculture-based businesses.

Forestry and Natural Resources



The **College of Forestry and Natural Resources (CFNR)** was established in 1910 and is the Philippines' oldest and finest academic institution of higher learning in forestry. Its BS Forestry program is a Center of Excellence in Forestry Education of the Philippine Commission on Higher Education and certified by the AUN-QA in 2017.

The College envisions itself to be a world-class leader in education, science, and responsible management of tropical forests, natural resources, and the environment. This vision is focused on the development of globally competitive and locally adaptive human resources, inclusive research and development programs, and empowerment of people, institutions, and communities for the strengthened and enhanced role of forestry in environmental protection and national development.




The College has four academic units, namely: Forest Biological Sciences (FBS); Forest Products and Paper Science (FPPS); Social Forestry and Forest Governance (SFFG); and Institute of Renewable Natural Resources (IRNR).

Research and Extension

CFNR conducts collaborative and interdisciplinary research, development, and extension programs in various fields such as: integrated natural resources management, watershed management, biodiversity conservation, carbon sequestration and climate change, forest biotechnology, environmental forestry, silviculture, forest resources management, forest

restoration, forestry economics, forest policies, forest products utilization, pulp and paper technology, agroforestry, natural resources conservation and management, geo-spatial technology, social forestry and forest governance, mountain ecosystems development, nanotechnology, and biofuels.

For more details

 cfnr.uplb.edu.ph
 cfnr.uplb@up.edu.ph
 +63 49 536 3996



Forestry

4-Year Course | 157 Units

A four-year program composed of a general curriculum with specialized courses in three forestry fields: Environmental Forestry, Production and Industrial Forestry, and Social Forestry and Agroforestry.

Certificate in Forestry

2-Year Course | 71 Units

The Program is a two-year non-degree course focused on basic social and technical skills required to assist professional foresters.

CFNR aims to develop and implement programs to promote sustainable development in the forestry and natural environment sectors primarily through instruction, research, and extension.

Five-Point Strategic Programs

1. Advancing distinctive excellence in forests and natural resources education
2. Developing world-class research and development capacity
3. Instituting responsive extension services for community and national development
4. Promoting enabling environment through good governance and effective support system
5. Generating resources for productivity



Human Ecology



The **College of Human Ecology** (CHE) advocates and uses interdisciplinary, holistic, and integrative approaches to understand human-environment interactions. It envisions the development of human-centered, self-reliant, and ecologically stable communities by addressing basic human needs, resource utilization and management, environmental stability, and delivery of social services at the family and community levels in the Philippines and in Asia.

As such, its mission is to advance the body of knowledge in human ecology to improve operational capabilities and to strengthen functional commitment in human nutrition and food, human and family development, community and environmental resource planning, and social development services. In essence, CHE develops programs for research, training, and community service towards a desirable quality of life.

Research and Extension

The College is known for its long-running degree and non-degree training programs on food and nutrition security such as the Barangay Integrated Development Approach for Nutrition Improvement (BIDANI).

CHE's research and extension program focuses on family development studies as well as allied technical and professional services. The College maintains teaching laboratories and daycare centers, the Child Development Laboratory, and the Day Care Laboratories. It also brings together children and their families in playful learning and meaningful friendships through the Maria Makiling Playshop.

In 2011, the Elderly Development Program (EDP), a first-of-its-kind, was launched to cater to UPLB retirees and senior citizens of nearby communities.

The College aids local government units in crafting development plans such as the Comprehensive Land Use Plan, Provincial Physical Framework Plan, and Regional Development Framework Plan. CHE also offers the Short Course for Environmental Planning (SCEnP) for those who wish to take the EnP board examination.

CHE also conducts researches and action projects, and extends technical assistance under the Social Development and Management Program (SDMP), which aims to develop and empower social organizations and institutions under its thrusts on Social Technologies for Institution Building, Disaster and Risk Management, and Consumer Protection, Education and Satisfaction.

For more details

✉ che.uplb@up.edu.ph
☎ +63 49 536 2682

Human Ecology

4-Year Course | 154 Units

The BS Human Ecology program aims to produce professionals who can contribute to the improvement of human welfare. Specifically, the student is trained to a) understand human development in relation to the biophysical and social environments; b) acquire the necessary skills and competencies to participate in development programs, as well as in teaching and research on human-environment interaction; and c) internalize and apply the ecological perspective to society's problems.

The program has three major options: Family Development, Human Settlements Planning, and Social Technology

Nutrition

4-Year Course | 151 Units

This program aims to produce professionals competent in providing nutritional services to people. Specifically, the student will be trained to: (a) manage community nutrition programs; (b) assist in planning and evaluation of food and nutrition programs at macrolevels; (c) operate food service in institutions and communities; (d) plan and prepare therapeutic diets, and conduct nutrition counseling; (e) train nutrition workers; and (f) conduct research in nutrition and related fields.



Environmental Science and Management



The **School of Environment Science and Management (SESAM)** was established in 1977 in response to the country's need to address the pressing concern of environmental degradation through instruction, research, and public service. SESAM is a center of excellence in the fields of environmental science and environmental management. It upholds the application of knowledge in environmental science and management that is consistent with the aspirations of the Filipino people, in a manner that fully respects the limits of nature.

SESAM creates a platform for convergence and consolidation of university-wide efforts to develop and offer higher academic degrees in environmental science and management. It brings together a wide variety of expertise in the University and other sectors of civil society to pursue scientific investigation on the environment. It also complements and enhances the existing human resource and program strengths of the University to offer technical services that promote the sustainable management of environmental resources. Moreover, it engages in active science, policy, and community dialogues/fora to ensure that science becomes a significant driver of sustainable development.


Research and Extension


SESAM's research framework is anchored on environmental conservation, protection, restoration, and rehabilitation of various ecosystems, from forests to marine ecosystems. Its research programs address a variety of interconnected issues, such as climate change and human aggravated natural disasters, forest fragmentation and biodiversity, land rehabilitation, agro-industrial ecology, and water systems protection.

The School collaborates with scientists and researchers across various disciplines. Hence, it has tackled and responded to cross-cutting topics, including but not limited to environmental risk assessment, environmental education and communication, environmental governance, economic valuation of environmental impacts and resource systems, and international environmental agreements and protocols.

For more details

 sesam.uplb.edu.ph

 sesam.uplb@up.edu.ph

 +63 49 536 3080



The Big Team participants involved in the expedition of the Benham Bank are personnel from UPLB, BFAR, Philippine Navy, Philippine Coast Guard, and Oceana (Photo by Alvin Simon).



Researchers gather bathymetry data and river transect using GPS rover (Photo Courtesy: UPLB PHIL-LiDAR 1 Project).

Master of Science Environmental Science

2-Year Course | 32 Units

This is a holistic and integrative program that incorporates contemporary thinking on the relationship between nature and human society and on how the relationship is influenced by such factors as local, national, and global policies and structures. This is an inter-college program designed to produce environmental researchers, teachers, and managers. The areas of specialization are Community-based Resource Management; Environmental Biology; Environmental Chemistry and Toxicology; Environmental Planning and Management; and Environmental Restoration.

Doctor of Philosophy Environmental Science

3-Year Course | 50 Units

The Doctor of Philosophy in Environmental Science is a university-wide, interdisciplinary program that focuses on theoretical and methodological issues on environmental science and management. Students of this program are expected to deal competently with contemporary concerns in environmental analysis, planning, and management. The areas of specialization are Environmental Security and Management; Protected Areas Planning, Development and Management; and Social Theory and Environment.

Public Affairs and Development



Established on January 29, 1998, the College of Public Affairs emerged from various units of the University with extensive experience in graduate education in agricultural and rural development. Its inception was prompted by the need to attune UPLB's mission of promoting nationalism and development in the face of a changing global environment.

It was renamed **College of Public Affairs and Development (CPAf)** and restructured into a "one-faculty-one-college" on June 3, 2011. CPAf represents the embodiment of strength in the applied social sciences at UPLB. The College pursues development programs in the agricultural and rural sectors and in communities in transition. Its mission is to develop human and institutional capacities in the areas of local development policy, governance, and community development, consistent with its core values and traditions while taking into account the demands of globalization.

Research and Extension

CPAf endeavors to lead in undertaking research on public policy and mechanisms for governance and service delivery through an interdisciplinary team approach that maximizes university expertise in responding to the needs of its various publics. Research and extension programs of the College include transdisciplinary approaches in the fields of food and nutrition security, climate change, community-based natural resource management, local economic development, land reform and land use, community education, governance, extension/rural advisory services, and agricultural innovations systems.

For more details

🏠 cpaf.uplb.edu.ph
 ✉ cpaf.uplb@up.edu.ph
 ☎ +63 49 536 0319

Master in Public Affairs

31 Units

The Master in Public Affairs program intends to train practitioners serving government and non-government institutions as well as scholars dedicated to the analysis of public issues, particularly as they relate to the improvement of public welfare.

CPAf offers three areas of specialization under this program: Agrarian and Rurban Development Studies; Education Management; and Strategic Planning and Public Policy.

Master in and Master of Science in Development Management and Governance

2-Year Course | 31-38 Units

The Master in Development Management and Governance (DMG) and Master of Science in DMG programs seek to develop competencies and proficiencies required for new governance and development managers and leaders in facing the challenges of globalization, regionalization, development, and governance.

Four areas of specialization are offered under these programs: Organizational and Institutional Development; Program Management; Local Governance and Development; and Governance of Microfinance and Microinsurance Institutions. The program is also offered in an off-campus modality.

Doctor of Philosophy in Development Studies

3-Year Course | 49 Units

The PhD in Development Studies is a campus-wide multidisciplinary program of the Graduate School hosted by CPAf. The program combines the analytical rigor required of social science and technical fields to be able to address development issues. At the end of the program, graduates will be able to identify and analyze key policy, governance, and economic issues, as well as socio-political processes that are shaping the opportunities and constraints for public and collective action in development sectors such as agriculture, natural resources, and science and technology at the local, regional, and international levels. Being an interdisciplinary program, it is a collective offering of several colleges in the University.

Master of Science and Doctor of Philosophy

MS: 37 Units | PhD: 45 Units

Agricultural Education

Agricultural Education programs emphasize the historical and critical analysis of managerial, curriculum, and instructional strategies and techniques of formal educational systems. These programs prepare teachers and education development practitioners to be leaders in the scientific investigation of educational phenomena that will effectively evolve ways of managing, teaching, and learning agriculture and its allied fields in order to improve the productivity of its practitioners and the institutions they represent.

Community Development

Community Development programs prepare students to take on the challenge of empowering local communities to develop effective strategies for identifying community goals and maximizing their assets to achieve these goals. Blending theory and practice, the programs enable students to better understand complex linkages between local actions and policy-making processes at various levels. Students learn to critically examine the complex roles and effectiveness of local institutions in community development. Students also learn to critique and employ traditional and emerging strategies and tools of community development.

Extension Education

The programs provide analytical skills to examine critically development concepts from various perspectives, enabling people and organizations to learn and work together as they negotiate problematic situations relating to their livelihood, food security, and natural resource management. The Extension Education program focuses on strengthening formal and non-formal education programs for academic and development practitioners interested in capacitating individuals and groups to enable them to respond to complex situations. These programs provide grounding in extension science, leadership, adult education strategies, psychology, governance and institutions, development perspectives, policy analysis and participatory tools and techniques required in ensuring stakeholder participation and engagement addressing contemporary global issues.

Veterinary Medicine






Founded as the College of Veterinary Science on June 18, 1908, the **College of Veterinary Medicine (CVM)** was one of the original colleges of the University of the Philippines. It was the only veterinary school in the country until 1960 and has practically produced the noteworthy pioneers in the field. It has the distinction of being the only veterinary school that offers MS Veterinary Medicine in the Philippines and of being a center of excellence in veterinary education.

As the premier veterinary institution in Asia Pacific, it is recognized for producing world-class and service-oriented veterinary professionals. CVM continues to provide quality education to veterinary students and professionals in order to support national and global animal health, production and welfare, and safeguard public health.

Research and Extension

Research and extension activities are undertaken in the areas of the basic, preclinical, and clinical veterinary sciences. Such endeavors enrich the instructors' and professors' teaching skills and methods. Moreover, the two veterinary teaching hospitals maintained by the College update the educators' practice of veterinary medicine.

For more details

 cvm.uplb.edu.ph
 cvm.uplb@up.edu.ph
 +63 49 536 2730



Doctor of Veterinary Medicine

6-Year Course | 236-238 Units

The Doctor of Veterinary Medicine (DVM) program includes a two-year pre-veterinary medicine curriculum with a total of 76-78 units taken at the College of Arts and Sciences, and a four-year professional medicine curriculum with 160 units course work.

Students are required to complete 42 units of general education courses to acquire proficiency in communication skills and knowledge on art and literature, history, and social and political theories.

The first two years of the professional medicine curriculum are concerned with basic and paraclinical veterinary courses, while the third and fourth years concentrate on clinical subjects. The students acquire both theoretical knowledge and practical experience in animal production and in the diagnosis, prevention, treatment, and control of diseases in companion, exotic, and farm animals.



Master of Science in Veterinary Medicine

The MS Veterinary Medicine program is designed to prepare veterinarians to: 1) apply systematic, advanced, and current developments in the diagnosis, treatment, prevention, and control of animal and zoonotic diseases; 2) design and conduct researches; and 3) formulate and effectively implement strategies for the diagnosis, treatment, prevention, and control of diseases.

These competencies will make graduates better prepared to tackle emerging animal and public health issues by exposing them to various fields related to veterinary practice; improving their skills to diagnose animal and zoonotic diseases; solve clinical, pathological, and epidemiological problems; and engage in critical thinking and analysis.

Areas of Specialization: Veterinary Anatomy, Veterinary Internal Medicine, Veterinary Microbiology, Veterinary Parasitology, Veterinary Pathology, Veterinary Pharmacology and Physiology, Veterinary Public Health, Veterinary Surgery, and Veterinary Theriogenology

Graduate School



The UPLB Graduate School (GS) aims to help develop knowledge capital and professional leadership in the country through the nearly 700-strong graduate faculty of the University.

The UPLB Graduate School employs the 4i's in pursuit of this thrust:

Innovation in graduate programs such as offering of the first Master in Veterinary Epidemiology in Asia in response to the need to study animal diseases and public health in this increasingly globalized world.

Interdisciplinary collaboration, as exemplified by the institutionalization of the Professional Masters in Tropical Marine Ecosystems Management (PM-TMEM) and the Ph.D. Development Studies in UP Mindanao.

Internationalization of graduate education through enhanced, joint research, and collaborative academic programs with top universities and R&D institutions abroad. This is demonstrated by the establishment of the Nagoya University ASEAN Satellite Campus in UPLB.

Inclusive development, as illustrated by the establishment of the UP Professional School for Agriculture and the Environment (UP PSAE) in Agriya, Panabo City in Davao. UPLB offers off-campus graduate programs and short training courses in agriculture and environmental science in Mindanao, the heart of the center of agriculture in the Philippines.

Graduate studies at UPLB aim to develop the ability of students in critical inquiry and independent research towards the advancement of knowledge and the development of professional leadership.

The Graduate School integrates and administers graduate programs in agriculture, forestry, the basic sciences, mathematics and statistics, development economics and management, agrarian studies, and human ecology. It also caters to the increasing demand of graduate offering in other disciplines like agricultural engineering, land and water resources engineering, molecular biology and information technology, food science and technology, food and nutrition planning, and veterinary medicine.



Master of Science

Provides high-level instruction in the study and practice of various field and develops high-caliber human resource in the academe, industry, government, and in R&D organizations.

Areas of Specialization: Agricultural Chemistry, Agricultural Economics, Agricultural Education, Agricultural Engineering, Agrometeorology, Agronomy, Animal Science, Applied Nutrition, Biochemistry, Botany, Chemical Engineering, Chemistry, Computer Science, Community Development, Development Communication, Development Management and Governance, Economics, Entomology, Environmental Science, Extension Education, Family Resource Management, Food Science, Forestry (Forest Biological Sciences, Forest Resources Management, Silviculture and Forest Influences, Social Forestry, Wood Science and Technology), Genetics, Horticulture, Mathematics, Microbiology, Molecular Biology and Biotechnology, Natural Resources Conservation, Plant Breeding, Plant Genetics Resources Conservation and Management, Plant Pathology, Rural Sociology, Soil Science, Statistics, Veterinary Medicine, Wildlife Studies, Zoology



UPLB has trained human resource in the academe, R&D institutions, non-government organizations, local government units, as well as private companies and corporations, many of them holding key positions in their organization.

Master of Forestry

Provides advanced and better appreciation of the major fields in forestry and prepares graduates for independent forestry research and scientific work.

Areas of specialization: Forest Biological Sciences, Forest Resource Management, Silviculture and Forest Influences, Social Forestry, and Wood Science and Technology.

Graduates are equipped with the capacity to provide the science and technology in climate change mitigation and adaptation; serve as specialists/experts, or as policy makers; work as forest plantation managers; managers of forest-based industries, as specialists/experts in forest restoration and rehabilitation; and as development planners.

Master of Information Technology

Provides IT practitioners with advanced knowledge in the design and implementation of IT solutions in the workplace. MIT graduates have a deep understanding of technical concepts in IT; can apply the latest advances in their field of work; and design, implement, and maintain production-grade IT-based solutions.



About 40 percent of its graduates come from foreign countries including Thailand, Indonesia, India, Nepal, Bangladesh, Vietnam, China, Korea, Lao PDR, Myanmar, East Timor, and Malaysia, among others.

Master of Arts

The Master of Arts program offers two specializations: **Communication Arts and Sociology.**

The MA Communication Arts (MACA) continues the theoretical grounding of students through the study of discourses in language, literature, and culture studies.

The MA Sociology program aims to enhance understanding of basic social processes, especially those that improve the quality of human life.

Master of Communication Arts

The Master of Communication Arts is the non-thesis option of MACA.

Master of Agriculture

The Master of Agriculture (MAgr) is a non-thesis program in which students may specialize in either Agronomy or Horticulture. Graduates are equipped to work in the academe, R&D institutions, and private institutions, and as entrepreneurs, marketing specialists, technical staff, and managers of business units.



Doctor of Philosophy

Our doctoral degree programs are designed to produce top caliber professionals who are well-grounded in the theoretical and applied aspects of their fields such as in instruction, research, and extension.

Agricultural Chemistry, Agricultural Economics, Agricultural Education, Agricultural Engineering, Agronomy, Animal Science, Biochemistry, Botany, Computer Science, Community Development, Development Communication, Development Studies, Entomology, Environmental Science, Extension Education, Food Science, Forestry (Forest Biological Sciences, Forest Resources Management, Silviculture and Forest Influences, Wood Science and Technology), Genetics, Horticulture, Human Nutrition, Microbiology, Molecular Biology and Biotechnology, Plant Breeding, Plant Pathology, Soil Science, Statistics

Doctor of Philosophy by Research | Straight Doctor of Philosophy



University Consortium membership

The Graduate School is a founding member of the **Southeast Asian University Consortium for Graduate Studies in Agriculture and Natural Resources** or the **University Consortium (UC)**.

The University Consortium was launched in September 1989 through the initiative of the **Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)**.

It fosters collaboration and sharing of academic expertise and resources among ASEAN and Asia-Pacific higher education institutions to enhance graduate education in agriculture and environment and natural resources management in the region.

Other members of the University Consortium are Institut Pertanian Bogor (Indonesia), Universitas Gadjah Mada (Indonesia), Universiti Putra Malaysia, Kasetsart University (Thailand), Georg-August University of Goettingen (Germany), University of British Columbia (Canada), and Tokyo University of Agriculture (Japan).



Getting in

Undergraduate Admission

Local Applicants

Bonafide Filipino citizens who are graduates of accredited high schools may be admitted as freshmen to UPLB on the basis of their performance in the UP College Admission Test (UPCAT), their weighted average in the first three years of high school, and the quotas for specific degree programs set by respective Colleges.

The UPCAT is required of all applicants for freshman admission. The only exceptions to this rule are applicants for admission to the Certificate in Forestry curriculum. Eligible to take the UPCAT are (1) students of DepEd-accredited high schools who have not taken the UPCAT previously and are high school seniors (i.e., Fourth Year/Grade 12) expecting to graduate at the end of the school year; or high school graduates who have not taken and/or are not taking any college subject; and (2) those declared eligible for admission to college after taking the Philippine Education Placement Test (PEPT).

Grading System

Grade Point	Equivalence	Letter Equivalent
1.00	97% - 100%	A+
1.25	93% - 96%	A-
1.50	89% - 92%	B+
1.75	85% - 88%	B
2.00	82% - 84%	B-
2.25	81% - 83%	C+
2.50	79% - 81%	C
2.75	79% - 80%	C-
3.00	75% - 78%	D
5.00	70% and below	F

To keep your slot as a student at UPLB, you have to earn good grades. For undergraduate students, an average grade of 1.0-1.45 at the end of the semester will qualify you to be in the Chancellor's List, and for those with 1.44-1.75, in the Dean's List.



UPCAT

University of the Philippines
College Admission Test

Steps on How to Apply for UPCAT

Steps	Requirements	
1	Fill out UPCAT Form 1 (UPCAT Application for Freshman Admission) online or manually	For instructions go to UPCAT website: upcat.up.edu.ph or directly to upcatonline.up.edu.ph
2	Give the UPCAT Form 2 (Secondary School Record) to your high school principal or school head to be filled out	
3	Pay the UPCAT Application fee	The non-refundable UPCAT Application Fee is: <ul style="list-style-type: none"> • Php450 for Filipinos with annual gross family income of more than Php130,000 • P450 for resident foreign applicants studying in the Philippines • US\$50 for non-resident foreign applicants
4	Submit the completed UPCAT Forms 1 and 2 and all other required documents	Applications may be submitted to: <ul style="list-style-type: none"> • UP Office of Admissions, University of the Philippines or • Selected regional UPCAT application filing centers
5	Claim your Test Permit	You may claim your test permits from: <ul style="list-style-type: none"> • Authorized school representative • The Office of Admissions or • by mail

Applications for the UPCAT will start in July and can be partly accomplished online, which will enable faster processing of your application and will link you with the free Online UPCAT Reviewer.

The UPCAT consists of 4 subtests: Language Proficiency (English and Filipino), Science, Math, and Reading Comprehension (English and Filipino). Standardized UPCAT scores are combined with the weighted average of 3 years of high school final grades to determine the UP admission grade. To implement the policy of demographic access, the selection of campus qualifiers also considers socioeconomic and geographic factors.

General Checklist of Required Documents

1. Four recent 2X2 identical photographs
2. Proof of payment of UPCAT application fee
3. Completed UPCAT Forms 1 and 2
4. High school diploma
5. *IF graduating in 2017 from a HS with a DepEd approved K+12 transition program:* DepEd Certificate of Approval or Permit to Operate transition program
6. *If Philippine Education Placement Test (PEPT) taker:* PEPT Certificate of Eligibility to Enter College and PEPT grades
7. *If Transferee:* Signed and certified legible photocopy of the Permanent Secondary School Record (F137) from other school with all the grades earned within
8. *IF Exempted from payment of application fee:*
 - Annual gross family income is Php130,000 or less: 2015 ITRs of earning family members or BIR Certificate of Exemption
 - A Top Ten graduate/prospective graduate of a public high school: Certified Ranked overall list of the school's TOP TEN students across all programs and/or campuses

Foreign Applicants

A foreign applicant who graduated from a high school abroad and has not enrolled in college may be admitted to the freshman class if he/she meets the following requirements:

1. Completion of the high school program in the country where he/she had his secondary education;
2. Qualifying in a college-qualifying national or international foreign-administered examination such as the General Certificate of Education (GCE) Examination or the Scholastic Aptitude Test (SAT) or any equivalent examination:
 - GCE: 3 ordinary level passes and 2 advanced level passes
 - SAT : minimum total score of 1200
 - IBE: International Baccalaureate Diploma; and
3. In the case of an applicant whose native language or whose medium of instruction in the secondary school is not English, a minimum score of 500 in the Test of English as a Foreign Language (TOEFL).

Requirements for Submission

Only properly accomplished application forms with all the requirements listed below will be processed:

1. Accomplished Undergraduate Admission Application (UPLB Form No. 3);
2. Non-refundable application fee of Php150.00 for resident foreign students and US\$20 for non-resident foreign students in the form of money order, cashier's or manager's check payable to the University of the Philippines Los Baños;
3. Official transcript of records from each high school and college attended;
4. Official examination certificates, if any (2 copies)
5. Course syllabus, school catalog, and handbook examination;
6. Certification from a reputable bank in the applicant's country about his/her capability to finance the travel, educational, personal, and other expenses he is expected to incur in his/her studies in the Philippines (2 copies);
7. Official TOEFL results (minimum score of 500 (paper-based test) or 173 (computer-based test), for applicant whose native language or whose medium of instruction in secondary school is not English; and
8. Copy of birth certificate or passport which is duly authenticated

For more information, visit:

upcatonline.up.edu.ph



Graduate School Admission

A duly accomplished application form must be submitted to the Graduate School together with the following documents:

- One (1) original and one (1) photocopy of Official Transcript of Record, in English language, for each college previously attended; One photocopy of each certificate or diploma.
- Two accomplished recommendation forms from former professors. If with a master's degree, a third recommendation from the major professor is required. This must be sent to the Graduate School by separate mail or hand-carried by the applicant or a representative in a sealed envelope.
- A nonrefundable application fee of Php 500
- Payment Options: Direct cash payment at the UPLB Cashier's Office and Postal money order remitted to the Graduate School or Courier services (e.g., JRS, LBC)

Foreign Applicants

Additional requirement

- Certification that English is the medium of instruction in previous degree/s by the University Registrar or results of the Test of English as a Foreign Language (TOEFL). If English is not the medium of instruction or the TOEFL score is below 500, an applicant is required to take the English Proficiency Examination (EPE) in UPLB.
- US\$ 40 as application fee. Payment can be accepted through bank transfer to the Philippine National Bank with Account No.: 399-692-7000-21, Swift Code: PNBMPHMM payable to Graduate School. A copy of your bank transaction should be emailed to gradschool@uplb.edu.ph or uplb.gs@gmail.com as proof of payment. The original bank transaction must be presented upon admission together with the original documents (TOR & Diploma).

Domestic and international

Application Deadline

1st Semester: May 30

2nd Semester: October 30

Incomplete Applications

Applications lacking the required documents will not be processed until after all the papers are received by the Graduate School. Processing will then commence at the earliest succeeding evaluation period.

Admission Categories

An applicant to a degree program may be admitted on either regular or provisional status. Regular admission is offered to an applicant whose academic records and supporting documents indicate that he/she is qualified to undertake graduate study in his/her chosen field. Provisional admission is offered to an applicant whose academic records and supporting documents indicate deficiencies but show promise of success in graduate study. An applicant must meet the specific requirements of his/her admission before his/her provisional status can be changed to regular. An applicant who fails to meet the terms of provisional admission is disqualified from the intended program of study.

Deferment of Admission

An applicant who cannot enrol in the semester for which admission was offered may send a written request to the dean of the Graduate School to have his/her admission deferred for a period not exceeding one year. If the request is approved, the student cannot register for graduate course work as a non-degree or special student in UPLB while his/her deferment is in effect.

Non-regular Admission

An applicant for non-degree or special programs may be offered admission to the Graduate School but not to any graduate degree program upon recommendation of the Graduate Admissions Committee of the department for which the applicant intends to enrol courses. The recommendation must be endorsed by the department chair and approved by the dean of the Graduate School. An applicant admitted on non-degree status may take a maximum of 12 units of course work for credit but shall not be

allowed to enrol for more than one semester, except by special permission of the dean of the Graduate School and the Registrar. An applicant admitted on special status shall not be allowed to enrol for more than 9 units a semester or to register for more than 2 years, except by special permission of the dean of the Graduate School; subjects taken shall not be credited.

Readmission

An applicant offered readmission to a degree program shall undergo the same procedure as that of a newly admitted graduate student. Applications for readmission to a graduate program can be made only once.

Applicants not admitted

Applicants who are denied admission due to lack of preparatory or fundamental courses in the intended graduate program of study may have their applications reconsidered only after submission of additional documents not submitted at the time of original evaluation. Applicants denied admission due to poor academic credentials are discouraged from reapplying for admission.





Financial Information

The costs of attending UPLB fall into two categories: (1) tuition and related fees for services provided by the University; and (2) living costs and personal expenses.

Matriculation Fee

The following semestral fees are assessed to each student enrolled in undergraduate and graduate programs:

Items	Undergraduate (in Php)	Graduate (in Php)
Tuition (per unit)	1,000-1,500	1,000
Miscellaneous Fee	2,000	1,015
Library fee	1,100	800
Athletic fee	75	75
Medical fee	50	50
Registration fee	40	40
Cultural fee	50	50
Internet	260	
Energy	425	
Student Fund	45.50	45.50
Laboratory Fee	100-5,000/subject	200-600

Living Accomodation

UPLB has eight residence halls for men and women. Lodging fee per month is as follows:

Items	Amount (in Php)
Men's Residence Hall	350
Women's Residence Hall	350
International House	450
Forestry Residence Hall	320
Makiling Residence Hall	320
New Forestry Residence Hall	395
Veterinary Medicine Dorm	700
New Dorm	750

Early application is important in securing residence hall space. Immediately upon receipt of the notification of admission to UP, freshmen students desiring to stay in residence halls should file an application for admission in a residence hall. Reservation deposit equivalent to one month rent and two copies of 2x2 photos are required.

Estimated Personal Expenses

Items	Per month (in Php)	One Year (in Php)
Lodging	1,500/mo. for 10 months	15,000.00
Board	4,000/mo. for 10 months	40,000.00
Textbooks		10,000.00
Personal Allowances		15,000.00
Laundry	500/mo. for 10 months	5,000.00
Total		85,000.00

This does not include travel, clothing and other miscellaneous allowances

Qualified UPLB students enrolled in bachelor's, certificate degree or any comparable undergraduate degree are exempt from payment of tuition and other school fees as provided in Republic Act No. 10931 or the Universal Access to Quality Tertiary Education Act that was signed into law by President Rodrigo R. Duterte on 03 August 2017. Pending the issuance of its Implementing Rules and Regulations, UPLB will be guided by policies of the University of the Philippines articulated in Memorandum No. PDLC 17-218 entitled Supplemental Guidelines on Tuition and Other Fees Assessment and Collection for AY 2017-2018 issued on 07 August 2017.

Educational Development Fee

All foreign students shall be charged the Education Development Fee (EDF) according to the following schedule:

Items	Non-Resident (in Php)	Resident (in Php)
Graduate		
Per Semester	USD 500	USD 250
Per Summer	200	100
For Residency only	100	50
Undergraduate		
Per Semester	USD 300	USD 150
Per Summer	120	60
For Residency only	60	30





Scholarships and Financial Assistance

Undergraduate

A scholarship package varies depending on the sponsor or funding agency. It usually includes matriculation fee discount and cash benefits such as monthly stipend, allowance for books, clothing and transportation, thesis support, and on the graduation expenses. Vacant slots are posted on UPLB bulletin boards and on the OSA website: www.uplbosa.org.

Socialized Tuition (ST) System

In UP, all students receive financial support from the national government because it subsidizes the actual cost of UP education. UP students come from all walks of life, and there are those who cannot afford paying the full tuition. Because of this, UP created the ST System, which provides tuition discount at rates that are based on the assessment of the paying capacity of the household to which a student belongs. This assessment looks at the income as well as the socio-economic characteristics of the household.

Student and Graduate Assistantships (SAGA)

The UP's SAGA is a financial assistance program that gives upperclassmen and graduate students experiences on leadership and ethics in the workplace, in the course of assisting UP in fulfilling its teaching, research, and public service functions. Student Assistants (SAs) are given allowances based on hours rendered: Php 60/hour for undergraduate students, Php 100/hour for MA/MS, and Php 140/hour for PhD.

Student Loan Board

Among the student loan programs implemented by the University is the Student Loan Board (SLB) Program. It was established for payment of matriculation fees of the students wherein 80% of the student's assessed fees may be loaned with an interest rate of 6% per annum. Loans under the Student Loan Board may, with the approval of the Chancellor, be granted in the amounts beyond the cap currently observed in the concerned campus and up to 100% of total assessed fees. As an incentive for prompt payment of loans, interest shall be waived on loans, which are paid within four months from the dates they were made. To apply for SLB, visit www.uplbosa.org/page-slb.

Emergency Cash Loan

The University has offered 15 emergency cash loans both under the long-term emergency cash loan and the short-term emergency cash loan facility.

Graduate Scholarships and Financial Assistance

National

1. Agricultural Support Services Projects (ASSP)
2. Abra State Institute of Science and Technology Faculty Development Program (ASIST)
3. Bureau of Forest Development (BFD)
4. Bicol University (BU)
5. Benguet State College (BSC)
6. Bukidnon State University (BSU)
7. Central Luzon State University (CLSU)
8. Central Mindanao University (CMU)
9. Catanduanes State College (CSC)
10. Cagayan State University (CSU)
11. UPLB Foundation Incorporated (FI)
12. Dingle Agricultural and Technical College (DATEC)
13. Don Severino Agricultural College (DSAC)
14. Dansalan College Staff Development Program (DCSDP)
15. Department of Environment and Natural Resources (DENR)
16. Dr. Emilio B. Espinosa Sr. Memorial Agricultural College (DEBESMAC)
17. Department of Science and Technology (DOST)
18. Ecosystems Research and Development Bureau (ERDB)
19. Forest Products Research and Development Institute (FPRDI)
20. Farming System Development Project (FSDP)
21. Farming Systems and Soil Resources Institute (FSSRI)
22. Grants-in-Aid, UPLB (GIA, UPLB)
23. Institute of Plant Breeding (IPB)
24. Iloilo National College of Agriculture (INCA)
25. Ifugao State College of Agriculture and Forestry (ISCAF)
26. Mariano Marcos State University (MMSU)
27. Mindanao State University (MSU)
28. National Food and Agriculture Council (NFAC)
29. Negros Occidental Agricultural College (NOAC)
30. Nueva Viscaya State Institute of Technology (NVSIT)
31. Pampanga Agricultural College (PAC)
32. Panay State Polytechnic College (PSPC)
33. Palawan National Agricultural College (PNAC)
34. Philippine Association of State Universities and Colleges (PASUC)
35. Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCARRD)
36. Philippine Rice Research Institute (PHILRICE)
37. Philippine Sugar Institute (PHILSUGIN)
38. Pangasinan State University Faculty Development (PSUF)
39. Philippine Training Center for Rural Development (PTCRD)
40. National Tobacco Administration (NTA)
41. Philippine Veterans Administration Office (PVAO)
42. Tarlac College Joint Projects (TAC)
43. Tarc Special Joint Projects (TARC)
44. University of Eastern Philippines (UEP)
45. University of Southern Mindanao (USM)
46. University of Southern Philippines (USP)
47. University of the Philippines Alumni Association Fonacier (UPCAAF)
48. University of the Philippines Visayas (UPV)
49. Visayas State University (VSU)

International

1. Asian Development Bank (ADB)
2. Agricultural Development Council (ADC)
3. Association of Southeast Asian Nations (ASEAN)
4. Bangladesh Agricultural Research Institute (BARI)
5. Canadian International Development Assistance (CIDA)
6. Centro Internacional Mejoramiento de Mais Y Trigo (CIMMYT)
7. Food and Agriculture Organization (FAO)
8. German Foundation for International Development (DSE)
9. International Development Research Centre (IDRC)
10. International Potato Center (CIP)
11. International Rice Research Institute (IRRI)
12. Indonesian Government
13. Mandala Development Corporation (MADECOR)
14. Mary Blythe Petersen Marsman Scholarship (MARSMAN)
15. Midwestern University Consortium for International Assistance
16. Netherlands University Foundation for International Cooperation (NUFFIC)
17. Sacred Divine Mission Council (SDVM)
18. SEAMEO Regional Center for Graduate Study and Research in Agriculture (SEARCA)
19. United Nations Development Programme (UNDP)
20. United States Agency for International Development (USAID)
21. WINROCK International
22. World Bank
23. United Mission to Nepal (UMN)
24. World Health Organization (WHO)

Graduate Student Assistantships

Graduate student assistantships, which pay Php100 per hour, are available to bonafide graduate students who show very satisfactory academic work and whose academic load is not less than 6 units and not more than 8 units during the semester he/she is working. The maximum working hours per month is 100 hours.

Graduate Assistantships

UPLB has several graduate assistantships/fellowship programs, which are open to deserving graduate students who are expected to participate in undergraduate teaching or research activities.

Facilities

UPLB aims to cultivate a culture of excellence, hence it tries to provide students access to University facilities and services that help them in their studies.

Among these facilities are a well-equipped Main Library and its satellite libraries found in the colleges but virtually linked to the former. There also is an Interactive Learning Center, which makes learning resources available in downloadable forms. Laboratory facilities in major R&D institutions as well as in the academic units enable mentor/adviser and students to work together.

Transient facilities, i.e., Obdulia F. Sison Hall, are also available on campus. The Dean E.B. Copeland Centennial Gymnasium and the athletic field are favorite destinations of fitness and sports buffs. Swimmers can also do laps at the swimming pool beside Baker Hall. With these facilities, the campus is a frequent host of fun runs, marathons, and triathlons.



Culture and arts can be experienced at the DL Umali Hall and the Sining Makiling Gallery that frequently feature plays, various programs, and arts exhibits. During the regular semesters, students and student organizations stage theater plays, concerts, and talent and quiz contests.



UPLB Alumni and Global Leaders



Former Chancellor Dr. Rex Victor O. Cruz (extreme right), an expert in watershed science, and one of the four members from UPLB of the UN Intergovernmental Panel on Climate Change that shared the 2007 Nobel Peace Prize with former US Vice President Al Gore. The three others are (left-right) Dr. Rodel D. Lasco, Dr. Felino O. Lansigan, and Dr. Juan M. Pulhin.

“UPLB has been a leader in “global education” long before the international academic community became increasingly linked and mobile as it is today. In Asia and the Pacific, it has earned the respect of its neighbors for its significant contributions to human resource development in agriculture, forestry, and allied sciences. Today, we build on the gains of our predecessors as we continue to strengthen our capacity for internationalization by providing a high quality educational experience through top quality people and for the best students from all over the world; increasing focus on high impact and cutting edge research; nurturing committed alumni to be part of the University; and developing our global profile and reach as a leader in providing world class education.”

- **Rex Victor O. Cruz, Ph.D.**
BS, MS Forestry



“My education at UPLB has molded and nurtured my love for nature, passion for critical thinking and search for the truth, balanced with creativity and innovation. It has also opened up unimaginable windows of opportunity for me. Strong faith, dedication, and hard work provided the foundation for using this education in contributing a lasting legacy for future generations.”

Percy Sajise, Ph.D.
BS Agriculture
Honorary Research Fellow,
Bioersity International,
Malaysia



Randy A. Hautea, Ph.D.
BS Agriculture, MS Agronomy
Center Director and Global
Coordinator, International Service
for the Acquisition of Agri-Biotech
Applications

“No other place has made me more complete - UPLB is where I learned, loved, and lived!”



Leocadio S. Sebastian, Ph.D.
BS Agriculture, MS Genetics
Regional Program Leader, Research
Program on Climate Change,
Agriculture and Food Security
Southeast Asia

“In UPLB, you get to have the chance to experience both hands-on advance laboratory and practical field experiences. Knowledge and theories are applied where those matter through the guidance of professors who are toughened by real world agricultural problems. This kind of education and training has made UPLB graduates well respected in the international community – a recognition that makes us feel, as UPLB alumni, that we come from Southeast Asia’s best agricultural university.”



Jesus Fernandez, Ph.D.
BS and MS Development Communication
Deputy Director, BIOTROP, Indonesia

“I will always be indebted to UPLB for shaping my social and critical thinking skills, as well as instilling in me the systematic and holistic approach in dealing with situations. These knowledge and skills have enabled me to be more people-centred, pragmatic, and forward-looking in making decisions and carrying out my managerial tasks in international positions that I have held and currently holding.”



"For there's no place more charming, blest...as Dean Uichanco wistfully described it in the UPCA hymn."

Emil Q. Javier, Ph.D.

BS Agriculture

Chair, Asia Rice Foundation

Former President, National Academy of Science and Technology
Former Chair, Technical Advisory Committee/Interim Science Council,
Consultative Group on International Agricultural Research, FAO, Rome



"Whatever I am today, I owe to the nurturing environment of UPLB. The university set a strong foundation that equipped me to pursue a scientific career."

Rodel D. Lasco, Ph.D.

BS Forestry, MS Forestry, Ph.D. Forestry

Senior Natural Resource Management Scientist and Country
Coordinator, Word Agroforestry Centre



"I have experienced how far and wide UPLB is acknowledged as the premier university in the agricultural sciences in the Philippines, if not in Southeast Asia. It is an excellent training ground for leadership in the sector and its institutional influence extends far beyond its borders. Its campus environment and facilities are conducive to learning and sharing experiences and stimulate its graduates to keep coming, keep their social responsibility commitments, and keep coming back time and again."

William Dar, Ph.D.

Ph.D. in Horticulture major in Crop Physiology
President, Inanglupa Movement, Inc.



"The excellent academic training that I had at UPLB was core to my career development... the UPLB spirit will always guide me in furtherance of my career and service for my country and beyond!"

Agustin B. Molina, Ph.D.

BS Agriculture, MS Plant Pathology

Senior Scientist and Regional Coordinator - Asia and the Pacific,
Bioversity International



"UPLB is one of the most sought after academic institutions for higher learning in Asia and in other parts of the world. Since it was established, UPLB has offered consistent high standards of teaching, training, research and extension that are relevant to global and regional realities. Its faculty and administration are competent and dedicated, and its campus is rated as "one of Asia's most beautiful".

Teresa Habito Stuart Guida, Ph.D.

BS Home Technology, MS and Ph.D. Development Communication

Communication for Development Specialist, UNICEF Headquarters,
New York, USA



"It is commonplace for universities to grant you a degree but UP Los Banos gave me more than that - it is a mixed bag of experiences that has helped me thrive in my chosen profession of film making - critical thinking sharpens my choice for good storytelling, independence fires up my passion to be innovative and stay in a highly competitive industry, and creativity challenged me to do better in a world filled with unknowns."

Henry C. Burgos

BS Development Communication

Film writer and Director



Chamnian Yosraj, Ph.D.

MS Animal Science,

Ph.D. Animal Science

President, Maejo University,
Thailand



Gil C. Saguiguit, Ph.D.

BS Agriculture

Director, Southeast Asia Regional
Center for Graduate Study and
Research in Agriculture (SEARCA)



Joel L. Cuello, Ph.D.

BS Agricultural Engineering

Director, Global Institute for
Strategic Agriculture in Dry Lands
(GISAD), Arizona State University
Visiting Professor, Zhejiang
University



Nelia Gonzalez

BS Agriculture

President, Asiaworld Properties
Philippine Corp. (Tah Yu Group of
Companies)

Directory

Country code: +63 | Area code: 049

Office of the Chancellor

oc@uplb.edu.ph

Tel: 536-2567; 536-2894

Telefax: 536-3673

Office of Public Relations

opr.uplb@up.edu.ph

Tel: 536-2928

Telefax: 536-3604

Office of Alumni Relations

oar.uplb@up.edu.ph

oar@uplb.edu.ph

Tel: 576-0104; 536-0844

Office of Institutional Linkages

oil@up.edu.ph

Telefax: 536-2239

Office of the Vice Chancellor for Administration

ovca@uplb.edu.ph

Telefax: 536-2331; 536-3468

Office of the Vice Chancellor for Community Affairs

ovcca.uplb@up.edu.ph

Telefax: 536-3358

Office of the Vice Chancellor for Academic Affairs

ovcaa.uplb@edu.ph

Telefax: 536-2306

Office of the University Registrar

our.uplb@up.edu.ph

Tel: 536-2553; 536-2426

Office of Student Affairs

do@uplbosa.org

Telefax: 536-2238

International Students Division

isd@uplbosa.org

Scholarships and Financial Assistance Division

sfad@uplbosa.org

Tel: 536-3212;

Telefax: 536-3209

Office of the Vice Chancellor for Planning and Development

ovcpd.uplb@up.edu.ph

Tel: 536-3484

Telefax: 536-3484

Office of the Vice Chancellor for Research and Extension

ovcre@uplb.edu.ph

ovcreuplb@gmail.com

Telefax: 536-5326; 536-2354

College of Agriculture

ca@uplb.edu.ph

Office of the Dean

doca@uplb.edu.ph

caso.uplb@gmail.com

Telefax: 536-3546; 536-3535

Office of the College Secretary

soca@uplb.edu.ph

Tel: 536-2329

College of Arts and Sciences

cas@uplb.edu.ph

Office of the Dean

docas@uplb.edu.ph

Telefax: 536-2402; 536-2437

Office of the College Secretary

socas@uplb.edu.ph

Tel: 536-2435

Telefax: 536-2407

College of Development

Communication

cdc@up.edu.ph

Office of the Dean

dean@devcom.edu.ph

Tel: 536-2511 ext. 404

Telefax: 536-3356

Office of the College Secretary

secretary@devcom.edu.ph

Telefax: 536-2429

College of Engineering and Agro-Industrial Technology

ceat@uplb.edu.ph

Office of the Dean

doceat@uplb.edu.ph

Tel: 536-0250;

Telefax: 536-2873; 536-4728

Office of the College Secretary

ceat_ocs@yahoo.com.ph

Tel: 536-7450

College of Economics and Management

cem@uplb.edu.ph

Office of the Dean

docem@uplb.edu.ph

Telefax: 536-4750

Office of the College Secretary

socem@up.edu.ph

Telefax: 536-2716

College of Forestry and Natural Resources

cfnr@uplb.edu.ph

Office of the Dean

cfnrdo.uplb@gmail.com

Telefax: 536-3996; 536-3206;

536-2342

Office of the College Secretary

socfnr@uplb.edu.ph

Tel: 536-3524

College of Human Ecology

che@uplb.edu.ph

Office of the Dean

doche@uplb.edu.ph

Telefax: 536-2682

Office of the College Secretary

soche@uplb.edu.ph

Tel: 536-2682

College of Public Affairs and Development

cpaf.uplb@up.edu.ph

Office of the Dean

docfap@uplb.edu.ph

Tel: 536-4267; 536-0319

Telefax: 536-0407

College of Veterinary Medicine

cvm@uplb.edu.ph

Office of the Dean

docvm@uplb.edu.ph

Telefax: 536-2730

Office of the College Secretary

socvm@uplb.edu.ph

Telefax: 536-2727

Graduate School

gs.uplb@up.edu.ph

Office of the Dean

Telefax: 536-3414; 536-2310

School of Environmental Science and Management

sesam.uplb@up.edu.ph

Office of the Dean

Tel: 536-3080; 536-2836;

Telefax: 536-2251



UPLB Website uplb.edu.ph

UPLB Colleges Websites

College of Agriculture and Food Science
ca.uplb.edu.ph

College of Arts & Sciences
cas.uplb.edu.ph

College of Development Communication
cdc.uplb.edu.ph

College of Engineering & Agro-Industrial Technology
ceat.uplb.edu.ph

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College of Forestry & Natural Resources
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cvm.uplb.edu.ph

College of Graduate School
gs.uplb.edu.ph

School of Environmental Sciences & Management
sesam.uplb.edu.ph

Other Websites

Office of the Vice Chancellor for Academic Affairs
ovcaa.uplb.edu.ph

Office of the Vice Chancellor for Research and Extension
ovcre.uplb.edu.ph

Office of the Vice Chancellor for Administration
ovca.uplb.edu.ph

Office of the Vice Chancellor for Planning and Development
ovcpd.uplb.edu.ph

Office of the Vice Chancellor for Community Affairs
ovcca.uplb.edu.ph

Office of Student Affairs
uplbosa.uplb.edu.ph

Office of Alumni Relations
oar.uplb.edu.ph

University Library
library.uplb.edu.ph

Interactivew Learning Center
ilc.uplb.edu.ph

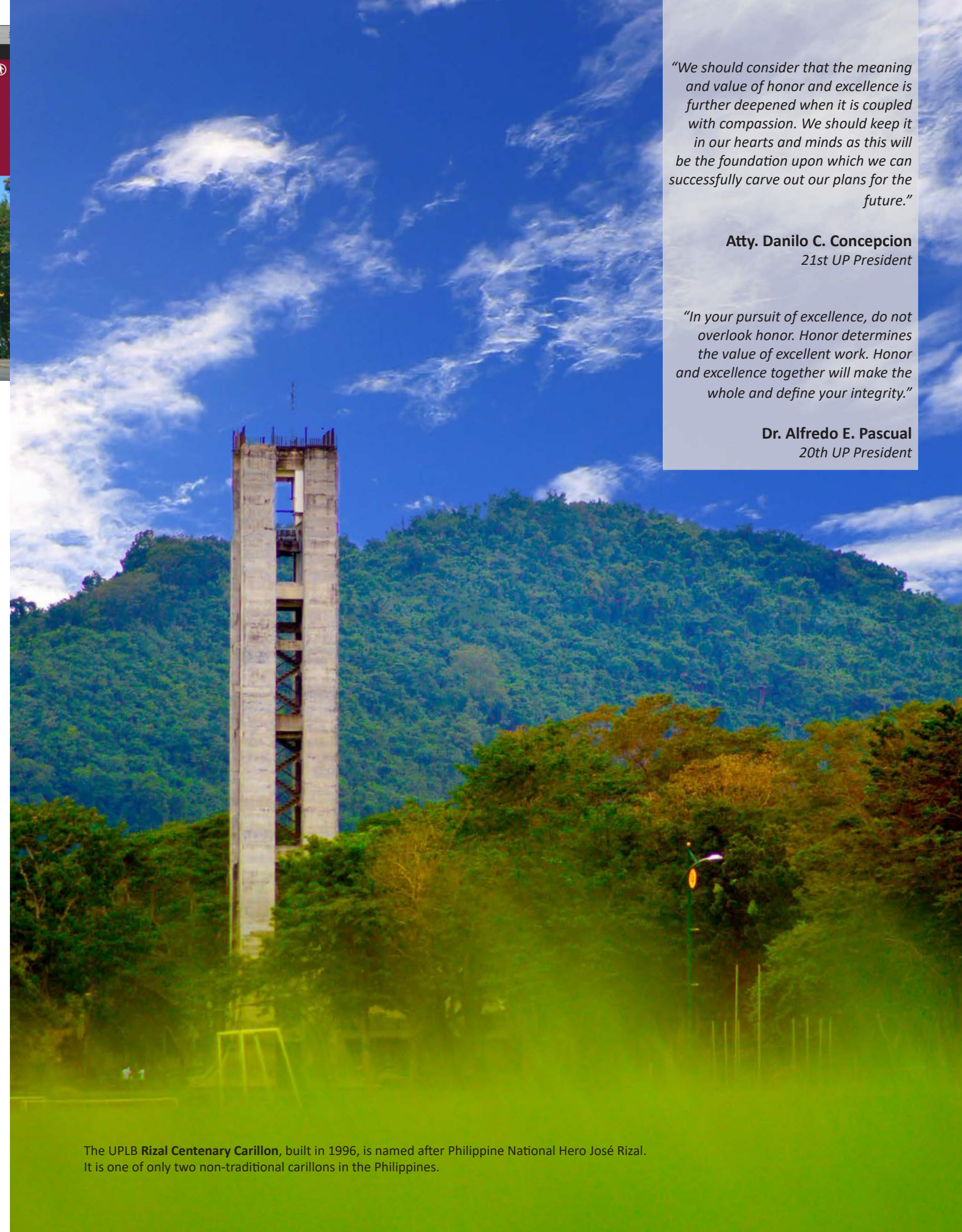
Ugnayan ng Pahinungod
pahinungod.uplb.edu.ph

“We should consider that the meaning and value of honor and excellence is further deepened when it is coupled with compassion. We should keep it in our hearts and minds as this will be the foundation upon which we can successfully carve out our plans for the future.”

Atty. Danilo C. Concepcion
21st UP President

“In your pursuit of excellence, do not overlook honor. Honor determines the value of excellent work. Honor and excellence together will make the whole and define your integrity.”

Dr. Alfredo E. Pascual
20th UP President



The UPLB Rizal Centenary Carillon, built in 1996, is named after Philippine National Hero José Rizal. It is one of only two non-traditional carillons in the Philippines.



University of the Philippines Los Baños

Email us at: learnmore@uplb.edu.ph
Visit our website at: <http://www.uplb.edu.ph>