

RESEARCH, CREATIVE WORK AND EXTENSION UNITS IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

A Preliminary Inventory



Compiled by the
Research Dissemination and Utilization Office
Office of the Vice-Chancellor for Research and Development
January 2013

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This preliminary inventory presents the outputs of the OVCRD's initial attempt at compiling a comprehensive listing and profiling of UP Diliman centers, institutes and other units whose principal mandate is to undertake research, creative and/or extension work. There are many such units in the campus, but they are named differently and are located differently within the organizational structure of their respective home institutions. Moreover, use of the terms "center" and "institute" varies widely, and the same can be said for the term "extension".

Before one can arrive at a comprehensive inventory of centers for research, creative work and extension activities in UP Diliman, therefore, one has to navigate the "semantic maze" that surrounds the use of the aforementioned terms. For this reason, this preliminary inventory casts its net wide and takes into account every office and unit in the campus that has, in its name, one of the following keywords: *center*, *institute*, *laboratory*, *studio*, and *extension*.

This inventory was conducted in three stages:

In the first stage, an online search for UP Diliman offices and units that have, in their name, any one of the aforementioned keywords was undertaken. This online search yielded a total of 71 offices and units, which are subsequently referred to as research, creative work and extension units or RCWEUs in this document. Following a coding scheme (please see the section on "Definition of Terms" for details), basic information about these units was culled from their respective websites. As expected, the amount of information available per unit was uneven. Further, assessing the timeliness of the information was difficult.

After completing the online search, therefore, the second stage of the inventory was implemented. This stage consisted of an 'offline' survey intended to: 1) complete, validate and/or update the information culled from the online search; and, 2) identify and obtain information about centers, institutes and similar offices/units not featured online. All heads of colleges, centers, institutes, and administrative offices – whether or not their units were in the initial list of RCWEUs – were requested to review the results of the online search. As expected, some respondents reported that they have other RCWEUs aside from those featured in their websites. The offline survey increased the RCWEU count from 71 to 112.

A review of the information about the 112 units revealed that there are some units in the list that do not undertake research, creative work or extension activities. In other words, there are units that are named as a center, institute, studio or laboratory but do not implement research, creative work or extension projects. In the third stage of the inventory, these units were identified and separated from the RCWEUs. There are eight such units. Therefore, for this edition that is timed with the 21 January 2013 OVCRD Colloquium, the final total number of RCWEUs in this preliminary inventory is 104. Nonetheless, the eight non-RCWEUs are still included in this compilation, in a separate section found after the profiles of the RCWEUs (see “Other Units”).

Even with 104 RCWE units identified, this inventory is by no means exhaustive. For one, there might be some units doing research, creative work or extension activities that were not accounted for because they do not have either one of the inventory’s search keywords (i.e. center, institute, studio, laboratory, and extension) in their name. Second, a few units in this inventory do not have all the profile information (as listed in the “Definition of Terms” below) needed. Third, for certain units, the information provided on paper might not fully reflect how the units currently function/operate.

This inventory is, thus, a work in progress. The OVCRD welcomes all corrections and additions to this inventory (please address all communication to its Research Dissemination and Utilization Office at upd.ovcrd.rduo@gmail.com). Subsequent updates and revisions on this inventory will be published online via the OVCRD’s website: <http://www.ovcrd.upd.edu.ph/>.

Definition of Terms

The inventory’s thrust was two-fold: to identify centers, institutes and similar units in UP Diliman that undertake research, creative work and/or extension activities, and to compile the profiles of these units. The compilation was guided by the following definition of terms:

UNIT – Any office in UP Diliman: a) that has in its name any of the following words: Institute, Center, Laboratory, Studio, or Extension; and, b) whose head has an administrative appointment.

The first criterion implies that the coverage of the inventory is quite wide because it includes offices at any level of the organizational structure of the University and its various offices/units.

The second criterion narrows down the inventory somewhat because it implies that units such as computer laboratories that have been set up mainly or solely for classroom instruction purposes are not included in the inventory.

DATE WHEN UNIT WAS ESTABLISHED – The most basic information is when the unit was founded but also includes, whenever relevant and available, key dates in the ‘evolution’ of the unit (e.g., from being department to being an institute).

THE UNIT’S MANDATE OR MISSION – Why the unit was established; what role it is expected to play in its home institution, the University, and/or society.

FLAGSHIP PROGRAMS and/or MAJOR ACTIVITIES OF THE UNIT – This refers to the main programs/projects of the unit. If available, a description of the programs/projects is included in the profile.

FUNCTIONS OF THE UNIT – Categories of functions are:

- a. Research
- b. Creative work
- c. Extension / Outreach – activities and services that are intended to benefit the community; could be pro bono or if fees are charged, these are very minimal
- d. Training / Continuing education programs
- e. Consultancy – collaborations with private entities for which the unit charges the usual fees
- f. Publication
- g. Academic – degree granting
- h. Academic – non-degree granting
- i. Administrative – this excludes the day-to-day, internal administrative operations of the unit; “administrative” in this case means that the key function of the unit is to provide administrative services to the unit’s various clients (e.g. students and faculty)
- j. Others

HOME INSTITUTION 1 – the immediate office to which the unit is attached

NATURE OF HOME INSTITUTION 1 – Categories are:

- a. Academic
- b. Administrative
- c. Training
- d. Not applicable (if the unit is attached only to Home Institution 2)

HOME INSTITUTION 2 – the higher level office to which the unit, and Home Institution 1, are attached

NATURE OF HOME INSTITUTION 2 – Categories are:

- a. Academic
- b. Administrative
- c. Training
- d. Not applicable – if the unit is the highest level office

HEAD OF UNIT'S POSITION – e.g. Director, Coordinator, etc.

CONTACT DETAILS – website, telephone number(s), and email address

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Research, Creative Work and Extension Units in UP Diliman: Overview

A total of 104 research, creative work and extension units (RCWEUs) are listed in this preliminary inventory. Of these, the biggest number has been named as laboratories, followed by those identified as centers or institutes (Table 1).

The Science and Technology cluster accounts for the biggest proportion (58%) of RCWEUs in the inventory. Within this cluster, there are 60 RCWEUs, 33 of which are based in the College of Science; 16, in the College of Engineering; and 11, in other colleges/programs (Table 2).

Table 1. Number of UPD RCWEUs, according to the keyword in their name

<i>Keyword</i>	No.	%
Center	25	24.0
Institute	24	23.1
Laboratory	32	30.8
Studio	2	1.9
Studio laboratory	5	4.8
Extension	9	8.7
Other (Program, Service, Facility)	7	6.7
Total	104	100.0

Table 2. Academic cluster to which the unit belongs

<i>Academic Cluster</i>	No.	%
Arts and Letters	12	11.5
Social Sciences and Law	14	13.5
Management and Economics	14	13.5
Science and Technology – Engineering	17	16.3
Science and Technology – Science and other disciplines	43	41.3
Other (does not belong to a particular cluster)	4	3.8
Total	104	100.0

Majority (57 out of 104) of the RCWEUs are second-level units. This means that they are a sub-unit of the main organization – such as a department or institute under a college (e.g. Institute of Biology under the College of Science), or a unit of an office (e.g., UP Computer Center under the Office of the Chancellor). A large number (43) of the RCWEUs

are third-level units, the usual case being a laboratory under and institute that is in turn under a college. Only four RCWEUs are themselves the main unit (these are the Asian Center, Asian Institute of Tourism, Institute of Islamic Studies, and Institute of Small-Scale Industries).

Most centers and institutes are second-level units. However, these two terms are also used as name for first- and third-level units. Laboratories are almost always third-level units while studios, studio-laboratories, and extension units are all second-level units (Table 4).

<i>Keyword</i>	First-level unit	Second-level unit	Third-level unit	Total
Center	1	20	4	25
Institute	3	15	6	24
Laboratory	0	2	30	32
Studio	0	2	0	2
Studio-laboratory	0	5	0	5
Extension	0	9	0	9
Other	0	4	3	7

Research is the activity most commonly undertaken by the units. Extension and extension-related functions (training and consultancy) are also a key function of several RCWEUs. Many units also support the academic programs of their home institutions, as is the case with laboratories and studios that are being used for students' hands-on workshops or class projects. It will be noted that very few units declared that they undertake creative work (Table 3).

Table 3. Functions of the unit (Multiple response; N=104)

<i>Function</i>	No.	%
Research	87	83.6
Extension/Outreach	56	53.8
Training/Continuing education	53	51.0
Consultancy	41	39.4
Academic – non-degree granting	40	38.5
Publication	22	21.2
Academic – degree granting	18	17.3
Creative work	10	9.6
Administrative	4	3.8

Analysis of the functions associated with the units, classified according to the keyword in their name, revealed that the proportions undertaking research, creative work, extension and related functions are as follows:

Centers (n=25)

Research – 92%
Creative work – 16%
Extension/Outreach – 64%
Training/Continuing education – 68%
Consultancy – 48%
Publication – 36%

Institutes (n=24)

Research – 96%
Creative work – 8%
Extension/Outreach – 71%
Training/Continuing education – 75%
Consultancy – 46%
Publication – 46%

Laboratories (n=32)

Research – 94%
Creative work – 6%
Extension/Outreach – 16%
Training/Continuing education – 28%
Consultancy – 25%
Publication – 0%

Studios (n=2)

Research – 0%
Creative work – 100%
Extension/Outreach – 0%
Training/Continuing education – 100%
Consultancy – 0%
Publication – 0%

Studio-laboratories (n=5)

Research – 100%
Creative work – 0%
Extension/Outreach – 80%
Training/Continuing education – 0%
Consultancy – 60%
Publication – 0%

Extension units (n=9)

Research – 33%
Creative work – 0%
Extension/Outreach – 89%
Training/Continuing education – 56%
Consultancy – 56%
Publication – 22%

Other units (n=7)

Research – 43%
Creative work – 0%
Extension/Outreach – 86%
Training/Continuing education – 29%
Consultancy – 29%
Publication – 0%

Finally, analysis of the functions per academic cluster shows that the proportions involved in research, creative work, extension, and related projects are:

Arts and Letters (n=12)

Research – 33%
 Creative work – 67%
 Extension/Outreach – 58%
 Training/Continuing education – 83%
 Consultancy – 25%
 Publication – 33%

Social Sciences and Law (n=14)

Research – 86%
 Creative work – 0%
 Extension/Outreach – 86%
 Training/Continuing education – 57%
 Consultancy – 21%
 Publication – 71%

Management and Economics

(n=14)
 Research – 93%
 Creative work – 0%
 Extension/Outreach – 71%
 Training/Continuing education – 93%
 Consultancy – 57%
 Publication – 50%

Science & Tech. - Engineering (n=17)

Research – 100%
 Creative work – 0%
 Extension/Outreach – 24%
 Training/Continuing education – 47%
 Consultancy – 71%
 Publication – 0%

Science & Tech. – Science and other disciplines (n=43)

Research – 91%
 Creative work – 0%
 Extension/Outreach – 44%
 Training/Continuing education – 30%
 Consultancy – 35%
 Publication – 2%

Other (no specific cluster) (n=4)

Research – 50%
 Creative work – 50%
 Extension/Outreach – 100%
 Training/Continuing education – 25%
 Consultancy – 0%
 Publication – 0%

COLLEGE OF ARCHITECTURE
BUILDING SCIENCE STUDIO LABORATORY

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	This studio laboratory is historically comprised of three clusters of courses: Architectural Structures, Building Construction and Utilities. However, two more courses have been integrated into the Building Science Studio Laboratory: these are the specialized courses in Acoustics and Lighting. All of these courses are carried out on the premise that these specialized fields of concern must be integrated into the design process. Instead of being factored in after the building form has thought out, these components may be considered as potential form-givers.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Institution of a new course in the BS Arch Program entitled "Health & Safety in Buildings"• Creation of a new curriculum in Lighting entitled "Efficient Lighting Management Curriculum"• Researches and participation in local and international conferences on new building technologies and systems• Design for the new UPCA Auditorium and Bridge & Amphitheater
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting• Research
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	 http://upca.upd.edu.ph/studiolaboratoriesbuildingscience.htm  9818500 local 3134 to 3136; 433 2280

COLLEGE OF ARCHITECTURE
**ENVIRONMENTAL ARCHITECTURE STUDIO
LABORATORY**

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	The Environmental Architecture Studio Laboratory aims to: 1) initiate research projects on tropical design; 2) to conduct seminars, symposia, workshops; 3) establish links with other schools, institutions, and allied professions; and 4) set up an Environmental Architecture consultancy service.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• National Symposium on Filipino Architecture and Design (NSFAD)• Forums on Sustainable Planning & Green Architecture• Site Visits to environment-responsive houses & structures• Tropical Design Student Competitions• Wind & Shade (compilation of student projects on tropical design)• Documentation of Green Elements• Networking with United Architects of the Philippines Green Architecture Movement• Magazine articles & newspaper columns on tropical design/environmental architecture• Laboratory planning workshops• Research projects on environmental architecture• Lectures on the principles and applications of sustainable design for human habitats and settlements• Ang Pinakamagandang Bahay sa Balat ng Lupa (PMBBL) – Design Competition and Demo House Building
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting• Research• Extension/Outreach• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

Home Institution 2 and Nature of Home Institution College of Architecture – Academic

Head of Unit's Position Head

Contact Details  <http://upca.upd.edu.ph/studiolaboratoriesenvironmentalarchitecture.htm>
 9818500 local 3134 to 3136; 4332280

COLLEGE OF ARCHITECTURE EXTENSION PROGRAM

Date Established 2002

Mandate/Mission The aims of the Extension Program are to: 1) make available the knowledge, expertise and service of the College to assist different groups, agencies and organizations in upgrading and regulating the profession; 2) impart new and innovative ideas in the fields of its concern to interested and affected parties; and 3) enhance the role of the College of Architecture as a development catalyst in the designed built and environment of the country.

Flagship Programs and/or Major Activities

- Consultative extension services to both the government and private sectors on developmental projects
- Tie-up with other institutions to further enhance the capabilities of the College in this area

Functions of the Unit

- Extension/Outreach
- Consultancy

Home Institution 1 and Nature of Home Institution Not applicable

Home Institution 2 and Nature of Home Institution College of Architecture – Academic

Head of Unit's Position Director

Contact Details  <http://upca.upd.edu.ph/resexextensionprogram.htm>
 9818500 local 3134 to 3136; 4332280



COLLEGE OF ARCHITECTURE
**HISTORY, THEORY, AND CRITICISM
STUDIO LABORATORY**

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	The History, Theory, and Criticism Studio Laboratory, or HTC, is a UP College of Architecture Studio Laboratory for the advancement of Philippine architectural theory, architectural history, and architectural appreciation. Architectural history leads to a critical look at the artistic, psychological, and philosophical theory behind the creation of space and basic shelter imperatives. Architectural theory fosters further research into breaking architectural and colonial stereotypes.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Architectural theory• Philippine architectural history (architectural heritage conservation)• Asian architecture• World architecture (historical and contemporary)• The Honrado Fernandez Awards Contest (Architectural Writing)• Lectures/Outreach on Heritage Conservation• Architectural Heritage Conservation Program in Carcar, Cebu and Lazi, Siquijor• Consultancy services for new UPIS Complex• HTC Tours (Field Trip to various parts in Luzon)
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting• Research• Extension/Outreach• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 http://upca.upd.edu.ph/studiolaboratorieshtc.htm☎ 9818500 local 3134 to 3136; 4332280

COLLEGE OF ARCHITECTURE
**LANDSCAPE ARCHITECTURE STUDIO
LABORATORY**

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	The Landscape Architecture Studio Laboratory's academic thrust is anchored on the view that designing based on local realities is a direction that is being derailed by influences of western examples. Designs that do not factor in local climate and culture need to be re-thought considering the implications on cost and quality of life of the users. Issues that have to do with health and energy conservation should not be considered as afterthoughts but as integral parts of the designed environment.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Researches on "Evaluation of Native Trees in UP Diliman" and "Investigation on the Career Choices of UP Bachelor of Landscape Architecture Graduates"• Extension works/Consultancy for landscape development of various government and private institutions• Tie-up/Cooperation with different agencies and offices• Maintenance of the UPCA Nursery• Landscape design for the new UPCA Amphitheater• Active participation in the Inter-University Seminar on Asian Megacities (IUSAM), ACARE• Active collaboration in Philippine Association of Landscape Architects' Annual Exposition and lectures• Field trips/observation tours to various landscape architectural projects both locally and abroad
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting• Research• Extension/Outreach• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable

<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	 http://upca.upd.edu.ph/studiolaboratorieslandscapearchitecture.htm  9818500 local 3134 to 3136; 4332280

COLLEGE OF ARCHITECTURE URBAN DESIGN STUDIO LABORATORY

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	The course syllabi under this studio laboratory have been developed on the premise that the architectural profession is necessary part of a bigger spectrum of concerns that entail a comprehensive and inter-disciplinary approach. The lectures emphasize the need for collaboration with other entities to come out with viable and sustainable design solutions. The topic modules highlight the need to consider the socio-cultural, political, economic dimensions in dealing with physical problems.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Active participation in the Inter-University Seminar on Asian Megacities (IUSAM)• Extension works for urban communities around the country
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting• Research• Extension/Outreach
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	 http://upca.upd.edu.ph/studiolaboratoriesurbandesign.htm  9818500 local 3134 to 3136; 4332280

COLLEGE OF ARTS AND LETTERS
INSTITUTE OF CREATIVE WRITING



<i>Date Established</i>	1 June 1979 – UP Creative Writing Center (CWC) July 2002 – UP Institute of Creative Writing (ICW)
<i>Mandate/Mission</i>	<ol style="list-style-type: none">1. To stimulate writers from all parts of the Philippines to create and contribute to national cultural development; and2. To assert the leadership of UP in creative writing and, at the same time, to recognize the assistance of the University to the government in the formation of policies and programs related to the development of culture, particularly of creative writing.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• National Writers Workshop• CWC Fellows Program (for National and Local Fellows), which was downscaled to the National Fellows Program• The ICW Panayam Series (formerly the Living Voice in Conversation Series), a lecture series involving National and Local Fellows and select writers, including foreigners• Philippine Writers Series (now the Likhaan Journal Series, a publication program in coordination with the UP Press)• LIKHAAN: The Journal of Contemporary Philippine Literature• Pagpupugay sa Pambansang Alagad ng Sining sa Panitikan• Madrigal-Gonzalez Best First Book Award• Likhaan Foundation Scholarship• Francisco Arcellana Scholarship in Creative Writing• UP Writers Night
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Creative work• Extension/Outreach• Training/Continuing education• Publication• Academic – non-degree granting

<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Arts and Letters – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 www.panitikan.com.ph  9818500 local 2117

COLLEGE OF ARTS AND LETTERS
**JORGE B. VARGAS MUSEUM AND
FILIPINIANA RESEARCH CENTER**



<i>Date Established</i>	22 February 1987
<i>Mandate/Mission</i>	The Vargas Museum and Filipiniana Research Center aims to conserve the collection donated by Jorge B. Vargas and initiates researches, exhibitions, publications, and educational programs around the collection. It houses a museum, archives, and library devoted to Philippine history, art, and culture from the late 19 th century until the post-war era.
<i>Flagship Programs and/or Major Activities</i>	Exhibitions The <i>Vargas Collection</i> is the permanent exhibition at the Main Gallery of artworks from the Museum's collection. Works by Juan Luna, Felix Hidalgo, Fernando Amorsolo, Vicente Manansala, Victorio Edades, among others scan the critical shifts from the Hispanic periods to post-impressionism to the early phases of modernism in Philippine art. <i>Track Changes</i> is a para-site exhibition that tries to explore the link of the permanent art collection and the archives as it seeks to initiate conversation between the collection and the other objects outside it.

The other galleries of the Museum are dedicated to temporary exhibitions of contemporary art in conversation with the collection, with the participation of local and international artists.

Research

Visible Storage. Art works not exhibited at the Main Gallery of the Museum are displayed in the Visible Storage. The visible storage provides opportunities for qualified researchers and specialists to undertake an in-depth study of the collection.

Library and Archives. The Library and Archives houses a vast collection of books, periodicals, documents, manuscripts, photographs, and memorabilia. It serves individual and institutional researchers. The Vargas Museum also has a philatelic and numismatic collection.

Educational Programs

Education Kits. The Museum develops and writes education guides for teachers and students for its permanent and temporary exhibitions, which provide in-depth and interactive learning experience for grade school, high school and college students.

Talks and Walk-throughs. In line with its exhibition programs, the Museum facilitates talks and walk-throughs by exhibiting artists and invited curators. It provides dialogue with the audience and an intimate engagement with the artists or curators as creators/producers of artworks and exhibitions.

Junior Museum Guides Workshop (JMG). JMG is an annual workshop of the Museum, which teaches kids basic museum activities such as guiding museum visitors, cataloging artworks, preparing, and mounting exhibitions.

Art Workshop. Easy Art Lesson by Fernando B. Sena is a regular art workshop offered by the Museum that covers basic to advanced level of drawing and painting lessons.

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Creative work• Extension/Outreach• Training/Continuing education• Publication• Administrative
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Arts and Letters – Academic
<i>Head of Unit's Position</i>	Curator
<i>Contact Details</i>	 http://vargasmuseum.upd.edu.ph  9818500 local 4024; 9281927

ASIAN CENTER



<i>Date Established</i>	1955
<i>Mandate/Mission</i>	The Asian Center is the University of the Philippines' only unit with a regional area of specialization. Among the Asian Center's purposes are to develop closer and broader contact with Asian peoples in the field of learning and scholarship, and to attain knowledge of Filipino national identity in relation to other nations through studies on various aspects of Asia. The Asian Center thus promotes initiatives to understand the Philippines in its broader Asian context, and to understand Asia from the Philippine vantage point. The Asian Center's mandate is underpinned by Republic Act 5334.
<i>Flagship Programs and/or Major Activities</i>	The Center offers graduate level multidisciplinary academic programs on Asian studies (including Philippine studies), and its faculty conduct research on a broad range of political, economic, social and cultural issues affecting Asia and the Pacific.

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Publication• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Not applicable
<i>Head of Unit's Position</i>	Dean
<i>Contact Details</i>	 http://ac.upd.edu.ph  9818599 locals 3580, 3577; 9203535

OFFICE OF THE CHANCELLOR ARCHAEOLOGICAL STUDIES PROGRAM



<i>Date Established</i>	24 August 1995
<i>Mandate/Mission</i>	Multidisciplinary in nature, the Archaeological Studies Program (ASP) is designed to oversee and coordinate instructional, research and extension activities pertaining to the systematic discovery, reclamation, analysis, presentation and preservation of the material remains of past cultures.
<i>Flagship Programs and/or Major Activities</i>	ASP's archaeological researches focus on Prehistoric and/or Major Activities Archaeology, Historic Archaeology, and Heritage. Its current major research projects include: <ul style="list-style-type: none">• Palaeoenvironmental and Biodiversity Study of Mindoro Island: An Archaeological Science Initiative• Dewil Valley Palaeohistory Project• Callao Cave Archaeological Project• Lumang Simbahan ng San Juan, Batangas• Catanauan Archaeological and Heritage Project• Archaeology of El Salvador, Cagayan de Oro• Ilocos Sur Archaeological Project

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – degree-granting
<i>Home Institution 1 Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Office of the Chancellor– Administrative
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://asp.upd.edu.ph/  9818500 local 3952

OFFICE OF THE CHANCELLOR
CENTER FOR INTERNATIONAL STUDIES

<i>Date Established</i>	October 2000
<i>Mandate/Mission</i>	The Center for International Studies (CIS) was envisioned to generate knowledge about the countries of the world and their interrelated cultures and ecological, social, economic, political, ideological, and gender systems. It aims to enable Filipino students to be aware of and appreciate their multi-cultural origins and to offer them more knowledge to meaningfully enrich their own development as well as a deeper understanding of the complex and diverse world toward more peaceful co-existence among peoples and nations of the world. Thus, its mandate is to be a center of scholarship toward such an objective, by developing country and topic specialists particularly in Asia, the Americas, and Europe. The CIS brings together diverse scholars, cultural practitioners, artists, and visionaries of the world, to interact, to do collaborative researches, and to obtain grants, fellowships, and scholarships.

Flagship Programs and/or Major Activities

- Conducts multi/interdisciplinary and cross cultural collaborative research on Asia, the Americas and Europe;
- Offers general education, elective, and special topics courses on Asia, the Americas, and Europe and creates courses toward the development of an academic program in Global Studies;
- Trains and develops experts/specialists on specific countries of the world who can respond to academic, national, and international needs; and
- Disseminates information on Asia, the Americas, and Europe through its resource collection, research and creative works, and extension activities.

Functions of the Unit

- Research
- Creative work
- Extension/Outreach
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

Office of the Chancellor – Administrative

Head of Unit's Position

Director

Contact Details

 <http://www.facebook.com/upcis.diliman>
 9818500 local 2460, 2462
 centerforinternationalstudies@yahoo.com

OPISINA NG TSANSELOR
SENTRO NG WIKANG FILIPINO



Petsa ng Pagkakatatag

29 Mayo 1989 – Pag-aproba ng Lupon ng Rehente sa pagtatatag ng Sentro ng Wikang Filipino (SWF) na susubaybay sa Patakarang Pangwika sa Sistemang UP

17 Pebrero 2000 – Debolusyon ng SWF mula Sistemang UP tungong Diliman

Mandato/Misyon

- **Bisyon.** Itaguyod ang wikang Filipino bilang midyum ng pagtuturo, pananaliksik at publikasyon, at opisyal na komunikasyon sang-ayon sa probisyon sa wika ng Konstitusyong 1987.
- **Misyon.** Tumulong sa implementasyon ng Patakarang Pangwika sa UP Diliman
- **Tunguhin**
 - a) Patatagin ang ugnayan sa iba't ibang institusyon sa loob at labas ng Unibersidad
 - b) Bigyan ng diin ang pananaliksik ukol sa wikang Filipino bilang tuntungan ng pagbubuo ng mga patakaran sa Filipino at advocacy
 - k) Pagsisinop sa mga nagawa nang proyekto at nabuong dokumento at pag-aaral ukol sa wika
 - d) Pagsasakatuparan ng mga proyektong pinag-iisipan, natatanaw ang kabuuan at may konsensus

Flagship Program at iba pang Pangunahing Gawain ng Yunit

- Paglalathala ng mga tekstbuk at iba pang kagamitan sa pagtuturo sa iba-ibang disiplina
- Paglalathala ng *UP Diksiyonaryong Filipino* (kauna-unahang mono-lingguwal na diksiyonaryong Filipino); Pananaliksik ng iba-ibang bokabularyo sa iba-ibang wika sa Pilipinas
- Pagpapasok ng mga salita mula sa iba-ibang wika upang pagyamanin ang mga sumunod na edisyon ng *UP Diksiyonaryong Filipino*
- Paglalathala ng *Gabay sa Editing* at *Gabay sa Ispelling* na manwal sa tamang pagbaybay at estilo sa pagsusulat

- Pagkakaroon ng proyektong *Bantay-Wika* na sumusubaybay sa paggamit ng Filipino sa tabloid
- Pagkakaroon ng proyektong *Saliksikang Filipino* na isang online database kung saan nakaimbak ang mga pamagat ng mga publikasyon may kinalaman sa Filipino
- Magsilbing *clearing house* para sa mga pananaliksik at iba pang gawaing nauukol sa Filipino at sa pambansang wika ng ibang bansa
- Maglathala ng newsletter at journal sa Filipino *Daluyan: Jurnal sa Wikang Filipino*, na nagtatampok a mga pananaliksik sa iba-ibang disiplina na nakasulat sa wikang Filipino
- Pagsasagawa ng mga seminar-workshop hinggil sa wikang Filipino

Mga Gawain ng Yunit

- Pananaliksik
- Malikhaing akda
- Extensiyon/Outreach
- Pagsasanay/Continuing education
- Consultancy
- Publikasyon

*Home Institution 1 and
Nature of Home Institution*

Not applicable

*Home Institution 2 and
Nature of Home Institution*

Opisina ng Tsanselor – Administratibo

Puno ng Yunit

Direktor

Detalye ng Kontak

🌐 <http://sentrofilipino.upd.edu.ph>
☎ 9818500 local 4583-4585; 9244747; 4265838
✉ sentrongwikangfilipino_diliman@yahoo.com

OFFICE OF THE CHANCELLOR
TECHNOLOGY MANAGEMENT CENTER



<i>Date Established</i>	23 February 1995
<i>Mandate/Mission</i>	<p>The Technology Management Center (TMC) is mandated to serve two fundamental purposes:</p> <ul style="list-style-type: none">• To respond to the recognized urgent need of firms and industries for technology upgrading, productivity improvement, and enhanced global competitiveness.• To respond to the established requirements of the Philippine government for expert advice and assistance on science and technology policy analysis and formulation; technology forecasting, planning, and assessment; R&D management; and program and project management.
<i>Flagship Programs and/or Major Activities</i>	<p>The Master of Technology Management Program is the flagship program of the Center. It is a multi-disciplinary program designed to capture all relevant aspects of science policy and technology management.</p>
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/ Continuing education• Consultancy• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Office of the Chancellor – Administrative
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	<p>🌐 http://www.tmc.upd.edu.ph ☎ 9818500 local 3882; 4262765 ✉ uptmc@yahoo.com</p>

OFFICE OF THE CHANCELLOR
UP CENTER FOR ETHNOMUSICOLOGY



Date Established

16 June 1997

Mandate/Mission

The Center aims to serve as a leading research institution in the region, perpetuate and harness the Jose Maceda Collection, and generate musical and music-related knowledge and materials from an interdisciplinary perspective for academic study, pedagogy, artistic production and other applications. The Center and its collection have been developed and established to assist scholars, composers, and serious artists and pedagogues in music, who share the vision and goals of the Center.

The name *UP Center for Ethnomusicology* is an outcome of its former appellation, the *UP Ethnomusicology Archives*, established in 1997 by the UP Board of Regents in recognition of Professor Jose Maceda's visionary work and authorship of putting together an ethnomusicological collection that he personally initiated and developed as a unified institutional resource for music research.

Flagship Programs and/or Major Activities

- Develops, organizes, manages and conducts music research with focus on the development of new theories of music, composition, distribution of musical instruments, and recognition of fundamentals that bind together the musics of Asia, as well as the relationship of language to musical structures;
- Serves as source of producing research and educational materials and to house musical instruments;
- Publishes and openly disseminates the research of the Center;
- Conduct dialogues, trainings, conferences, and other fora related to its primary functions; and
- Obtains and manages funds contributed by public and private persons and entities.

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Publication
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Office of the Chancellor – Administrative
<i>Head of Unit's Position</i>	Executive Director
<i>Contact Details</i>	<p>http://www.upethnom.com/ 9257139; 9296963 upethno@gmail.com</p>

OFFICE OF THE CHANCELLOR
UP COMPUTER CENTER

<i>Date Established</i>	<p>15 September 1966 April 1968 – the Center became operational, with Professor Jose Maria de Castro as its first Director 2001 – the administration of the Center was transferred from the UP System to UP Diliman</p>
<i>Mandate/Mission</i>	<p>The University Computer Center (UCC) was established for one primary purpose: to provide high-speed computer services for the use of the University faculty, administration and studentry in academic research, administration and instruction.</p> <p>Over the decades it has provided computer services not only to the University but to other government units and offices as well. As advancements in computing technology evolved and with more offices and departments having access to their own computers, the role of the Computer Center has changed to cope with these developments.</p>
<i>Flagship Programs and/or Major Activities</i>	<p>The UCC serves the University by providing high-speed network access to the Internet, catering to more than ten thousand clients daily, interconnecting Local Area Networks between</p>

offices and departments. It provides computing services for other units such as processing Student Tuition Assistance Program (STFAP) forms, and assists other units in software development such as the Computerized Registration System (CRS) in tandem with the OVCAA, Document Tracking System (Docutrak), UP Webmail, iLib, and the University Virtual Learning Environment (UVLE).

The UCC provides updated connectivity between constituent buildings and infrastructures and to the Internet via modern means (either wired or wireless). In this regard, the UCC handles the Diliman Network (DILNET) projects that aim to continuously upgrade existing data and voice infrastructure.

The UCC also partners with PABX/VoIP in providing voice telephony via the existing data network infrastructure to different offices and units in UP Diliman.

The UCC also aims to provide computational power to general UP Diliman constituents especially those not covered by CSRC and the Engineering facilities.

<i>Functions of the Unit</i>	<input type="checkbox"/> Administrative <input type="checkbox"/> Extension/Outreach
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Office of the Chancellor – Administrative
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://ucc.upd.edu.ph  9818500 locals 2050, 2020; 9204803

UP SCHOOL OF ECONOMICS
PHILIPPINE CENTER FOR ECONOMIC DEVELOPMENT **PCED**

<i>Date Established</i>	13 May 1974
<i>Mandate/Mission</i>	The Philippine Center for Economic Development (PCED) was established by Presidential Decree No. 453 as a “distinct corporate personality ... to give financial and moral support to the School of Economics of the University of the Philippines.”
<i>Flagship Programs and/ or Major Activities</i>	<p>Through the administration of grant programs, the PCED financially supports research activities of the faculty and students of the UP School of Economics (UPSE). The PCED also provides support to the School's various seminar series.</p> <p>The Center provides limited research support to deserving graduate students to encourage their participation in research conferences in or out of the country. The program aims to complement the training these students receive at the School with the experience they get from participating in professional research gatherings.</p> <p>Researchers not associated with the UPSE may apply to undertake economic research under the Center's Fellows in Residence program. The program also hosts visiting research fellows from teaching and research institutions abroad.</p>
<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Research • Extension/Outreach • Training/ Continuing education • Publication
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	University of the Philippines School of Economics –Academic

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

Head of Unit's Position

Chairperson

The PCED is governed by a Board of Trustees consisting of the following:

- The Director-General of NEDA (Chairperson)
- The Executive Secretary
- The Secretary of Trade and Industry
- The Secretary of Finance
- The Secretary of Budget and Management
- The Governor of the Bangko Sentral ng Pilipinas
- The President of the University of the Philippines
- The Dean of the UP School of Economics
- In addition, two members may be appointed by the President of University of the Philippines, upon recommendation of the Dean of the School of Economics. (Section of 3 of P.D. 453)

Contact Details

 <http://www.pced.gov.ph>
 9205463; 9213359

**UP SCHOOL OF ECONOMICS
PHILIPPINE CENTER FOR ECONOMIC DEVELOPMENT
INSTITUTE FOR THE STUDY OF INEQUALITY
AND POVERTY**

Date Established

June 2011

Mandate/Mission

The Philippine Center for Economic Development (PCED) Institute for the Study of Inequality and Poverty (ISIP), as its name implies, undertakes both fundamental and applied research on the sources of social inequalities, deprivation, and their relief.

Flagship Programs and/or Major Activities

ISIP's broad research mandate covers inequality and poverty relating to income and wealth, gender, ethnicity, access to social services, and



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

political rights. It lays particular stress on issues pertaining to education, health care, reproductive health, social insurance, asset reform, and poverty-alleviation strategies.

The Institute's twofold purpose is *first*, to produce fundamental research that is publishable in peer-reviewed journals, and *second*, to produce policy papers based on sound analysis and evidence that will assist government and the public in evaluating – possibly critiquing – existing programs to reduce inequality and poverty, or to design more effective ones.

Functions of the Unit

- Research
- Extension/Outreach
- Training/Continuing education
- Consultancy
- Publication

Home Institution 1 and Nature of Home Institution

Philippine Center for Economic Development – Administrative/Research

Home Institution 2 and Nature of Home Institution

UP School of Economics – Academic

Head of Unit's Position

Coordinator

Contact Details

 <http://www.econ.upd.edu.ph/main/research/research-programs/isip/>
 9205463; 921335

UP SCHOOL OF ECONOMICS
PHILIPPINE CENTER FOR ECONOMIC DEVELOPMENT
**INSTITUTE OF PUBLIC ECONOMICS
AND REGULATION**

<i>Date Established</i>	June 2011
<i>Mandate/Mission</i>	The Philippine Center for Economic Development (PCED) Institute of Public Economics and Regulation (PCED-PIPER) is a nonpartisan Center for applied research in public economics, regulation, and public policy. The Institute's goal is to conduct high-quality research in the area of public economics and regulation, and to use the research outputs to advance practical public policy advice and recommendations.
<i>Flagship Programs and/or Major Activities</i>	<p>PIPER's research agenda covers topics relating to fiscal policy formulation and management, tax policy, public expenditure policy, governance issues, financing social sector expenditures, environment and resource economics, intergovernmental fiscal relations, public debt and fiscal sustainability.</p> <p>In addition to academic research, PIPER aims to organize training courses, seminars, workshops and policy dialogue on related issues. It also aims to establish links with universities and research and training centers here and abroad for conducting collaborative research and exchange of scholars and information, and serve as depository of information on public economics and public regulation in the Philippines.</p>
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/Outreach• Training/Continuing education• Consultancy• Publication
<i>Home Institution 1 and Nature of Home Institution</i>	Philippine Center for Economic Development – Administrative/Research

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

*Home Institution 2 and
Nature of Home Institution*

UP School of Economics – Academic

Head of Unit's Position

Coordinator

Contact Details

 <http://www.econ.upd.edu.ph/main/research/research-programs/piper/>
 9205463; 9213359

COLLEGE OF EDUCATION
**NATIONAL INSTITUTE FOR SCIENCE
AND MATHEMATICS EDUCATION
DEVELOPMENT**



Date Established

20 November 1964 – Science Teaching Center
(728th Meeting of the Board of Regents)

5 May 1967 – Science Education Center

5 August 1969 – issuance of certification that HB
No. 17128 entitled, “An Act Providing for the
Maintenance of the Science Education Center of
the University of the Philippines, and for Other
Purposes” was signed into law by Pres.
Ferdinand E. Marcos on 21 June 1969. The Bill
became R.A. No. 5506 (Php250,000 - Special
Science Fund)

25 November 1982 – attachment to the College of
Education (955th Meeting of the Board of Regents)

6 October 1983 – Institute for Science and
Mathematics Education Development (962nd
Meeting of the Board of Regents)

26 June 1997 – National Institute for Science and
Mathematics Education Development or NISMED
(1110th Meeting of the Board of Regents)

Mandate/Mission

NISMED serves as the national center for the improvement and reform of science and mathematics education with the following functions:

- To serve as a research and development arm of the government in science and mathematics at the basic and teacher education levels;
- In collaboration with the Department of Education (DepED), Department of Science and Technology (DOST), and Commission on Higher Education (CHED), to develop curriculum materials and to recommend standards for science and mathematics at the basic and teacher education levels;
- To develop and implement programs for teachers and teacher educators in science and mathematics at the basic and teacher education levels;
- In coordination with other agencies of the government, to develop and implement programs that will promote science consciousness and the development of a science culture in the country.

Flagship Programs and/or Major Activities

- Develops research-based curriculum materials and teaching resources
- Conducts teacher training programs on the use of materials to impart a learner-centered, hands-on philosophy through strategies that develop higher-order thinking skills
- Leads in introducing unique and innovative programs for the betterment of science and mathematics education in the country
- Undertakes the Collaborative Lesson Research and Development (CLRD) Project, which introduces lesson study as a model of continuing professional development for teachers and promotes teaching mathematics through problem solving and teaching science through inquiry
- Maintains the AglMAT (Agham, Impormasyon at Matematika), a public service site of the UP NISMED staff which contains resources for teaching science and mathematics teaching
- Hosts *Go Teacher Go*, a radio program for elementary and high school mathematics and science teachers

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

- Hosts KaSaMa Teachers, an online community of science and mathematics teachers
- Publishes books and modules, occasional papers and monographs and posters, and provides teaching resources like video lessons, models and specimens
- Develops/reviews curriculum materials in science and mathematics (teaching guides and student modules/learning packages) for DepED's K to 12 curriculum program
- Undertakes the Technology Package for Student Learning Empowerment: Pilot Testing of Courseware and Tablet PC, a joint project of DOST SEI and ASTI, UP NISMED and DepED to determine the impact of the package on pupils' academic performance in elementary mathematics
- Serves as the GeoGebra Institute of Metro Manila (GIMM), for which it conducts training and research on the teaching/learning of science and mathematics with GeoGebra (a free mathematics software), develops teaching/learning materials and an online-support system for teachers, and promotes the use of GeoGebra
- Conducts public lectures as well as local and international conferences in science and mathematics education, offers short-term courses, and conducts stargazing activities and laboratory visits upon request

Functions of the Unit

- Research
- Curriculum development
- Extension/Outreach
- Publication
- Training/Continuing education

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Education – Academic

Head of Unit's Position

Director

Contact Details

 <http://www.nismed.upd.edu.ph>

 9818500 locals 3901 to 3910

COLLEGE OF ENGINEERING
**ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE**



Date Established

1917

Mandate/Mission

The Electrical and Electronics Engineering Institute (EEEI) is the leading academic and research institution in the Philippines specializing in electronics and electrical engineering and its allied fields.

The Institute's vision is to be the National Institute of Electrical and Electronics Engineering that is internationally recognized and has national impact and global significance. The Institute's mission is to produce excellent, innovative and nationalistic engineers and to advance the field of electrical and electronics engineering.

*Flagship Programs and/or
Major Activities*

EEEI offers undergraduate degree programs in computer engineering, electrical engineering, and electronics and communications engineering, as well as Masters and Doctoral programs covering these and related areas of study. Academic programs in the Institute are strongly oriented towards, and intimately linked with, research activities hosted by the Institute's research laboratories in diverse areas such as power systems, energy engineering, wireless communications, instrumentation and control, robotics, microelectronics, signal processing, computer networks, industrial automation, power electronics, and others.

Research and extension work by members of the Institute, although done at the leading edge, also find application in addressing a diverse and geographically wide range of real-life issues and concerns throughout the country, such as providing Internet connectivity to schools in the Batanes islands, sensing and monitoring landslides in Benguet, developing low-cost medical equipment for rural areas, assisting rural electric cooperatives, to the preservation of language and music of the indigenous people in the Philippines.

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

The research areas of faculty members cover a wide range of topics which include microelectronics, digital signal processing, software engineering, wireless communications and networks, instrumentation and control, robotics, power electronics and systems and renewable energy.

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training / Continuing education• Consultancy• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Engineering – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://www.eee.upd.edu.ph  9252958; 9252957

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
COMPUTER NETWORKS LABORATORY



<i>Date Established</i>	1997
<i>Mandate/Mission</i>	The Computer Networks Laboratory (CNL) works in diverse areas of computing and networks.
<i>Flagship Programs and/or Major Activities</i>	CNL's current research focus is on mobile applications and networks, quality of service, congestion control and congestion-aware routing, application-layer and peer-to-peer overlay networks, cloud computing and human-computer interfaces. By harnessing the computing power of mobile phones and tablets, CNL has turned

Elementary Level Science topics such as action and reaction, pollution, disaster mitigation and constellation into exciting educational multimedia educational games. Students have also developed mobile apps to help teachers monitor and control the use technology within the classroom.

CNL is currently working on 3D user interaction technologies by focusing on how humans interact with 3D mobile apps on a 2D screen. In the year 2013, it will produce 3D games for tablets and smartphones where a user can manipulate objects within a 3D environment.

CNL also conducts research on networking protocols and technologies, particularly in the areas of routing, transport, mobility management, virtualization and cloud computing. It actively collaborates and pursues joint research with the Networks and Distributed Systems Laboratory of the Department of Computer Science in these and related areas.

Functions of the Unit

- Research

*Home Institution 1 and
Nature of Home Institution*

Electrical and Electronics Engineering Institute –
Academic

*Home Institution 2 and
Nature of Home Institution*

College of Engineering – Academic

Head of Unit's Position

Laboratory Head

Contact Details

 <http://www.eee.upd.edu.ph>

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
**DIGITAL SIGNAL PROCESSING
LABORATORY**



Date Established 01 June 1990

Mandate/Mission The Digital Signal Processing (DSP) Laboratory is a research laboratory geared towards digital signal processing algorithm development and implementation. The main area of concentration at the DSP Laboratory is on software and hardware embedded systems for real-time and non-real time applications in the fields of speech signal and natural language processing, audio signal processing, image and video processing and signal processing for digital communications.

The mission and vision statement of the DSP Laboratory is "To produce excellent, innovative and nationalistic DSP engineers, perform research in specific areas that are relevant to the Philippine setting, and catalyze product development in DSP applications in the Philippines."

Flagship Programs and/or Major Activities

- Filipino speech recognition and speech synthesis systems
- Interdisciplinary signal processing for Pinoys (ISIP): ICT for education
- Digital database of Filipino words
- Real-time closed captioning for broadcasted news in Filipino
- Real-time Filipino speech synthesizers
- Automated Filipino essay grader
- Philippine languages database for Mother tongue-based multi-lingual education
- English language training software for call centers
- Development of synthesizers for indigenous Filipino musical instruments
- Speech recognizers and language translators for other Philippine languages

- Robust and error resilient video coding for wireless video transmission
- Video analysis for intelligent transport systems (ITS)

The DSP Lab is equipped with multimedia computers and various software development tools for speech recognition and synthesis. Software tools for DSP application development for desktop PC, Android, iOS and Symbian devices are available. The main computational engine uses Matlab® for algorithm development.

The DSP Lab also supports development of applications on some specific DSP (fixed and floating points) processors and FPGA's. Some DSP processors development kits were provided by Texas Instruments, analog devices, Motorola and Xilinx FPGA.

For audio and speech signal processing, the DSP Lab is equipped with an anechoic chamber and high-quality digital audio recording instruments.

Functions of the Unit

- Research

*Home Institution 1 and
Nature of Home Institution*

Electrical and Electronics Engineering Institute –
Academic

*Home Institution 2 and
Nature of Home Institution*

College of Engineering – Academic

Contact Details

 [http:// www.eee.upd.edu.ph/dsp/186](http://www.eee.upd.edu.ph/dsp/186)
 9818500 local 3373

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
**ELECTRIC POWER RESEARCH
LABORATORY**



<i>Date Established</i>	1999
<i>Mandate/Mission</i>	<p>The Electric Power Research Laboratory (EPRL) is dedicated to research and development aimed at providing a safe, reliable, and optimum generation, distribution, conversion, measurement, and control of electric energy. The Laboratory develops advanced methods for the design, operation, control, and analysis of electric power systems and integrated energy systems. Work in the Laboratory consists of application software development and the testing and computer simulation of electric power apparatus, equipment, structures, materials, and systems.</p>
<i>Flagship Programs and/or Major Activities</i>	<p>EPRL faculty- and student-affiliates have completed numerous undergraduate research projects and graduate theses and dissertations, and have produced refereed local and international publications. EPRL faculty-affiliates also undertake research and development projects funded by the University, Department of Science and Technology, and other funding institutions.</p> <p>Current research areas include:</p> <ul style="list-style-type: none">• Power system economics and electricity markets• Power system dynamics and stability• Power system operation and control• Generation and transmission planning• Smart Grid technologies and applications• Microgrids• Renewable and distributed generation• Energy-efficient and smart buildings• Electric power quality

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Electrical and Electronics Engineering Institute – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Engineering – Academic
<i>Head of Unit's Position</i>	Laboratory Head
<i>Contact Details</i>	 www.eee.upd.edu.ph

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
**INSTRUMENTATION, ROBOTICS AND
CONTROL LABORATORY**



<i>Date Established</i>	1991
<i>Mandate/Mission</i>	The Instrumentation, Robotics and Control (IRC) Laboratory is a research and instructional facility for electronic instrumentation and control (I&C) at the Electrical and Electronics Engineering Institute (EEEI). These laboratory serves as training ground for undergraduate and graduate students to become excellent innovators. The Laboratory also seeks to create economic value through technology and to provide technology-based solutions in managing production resources, health care, and education through collaborative work with the different UP institutes and units, and with the private sector.
<i>Flagship Programs and/or Major Activities</i>	The current flagship projects of the IRC laboratory are the following: <ul style="list-style-type: none">• Senslope – development of alternative cost-effective instrumentation and sensor networks for slope monitoring. The project is under the Disaster Risk Management Using Sensors, Networks and Computing Program (DRMS) in



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

collaboration with DOST, UP Institute of Civil Engineering, and National Institute of Geological Sciences; and

- RxBox – development of telemedicine appliance, in cooperation with DOST and National Telehealth Center of UP Manila.

Functions of the Unit

- Research
- Extension/ Outreach
- Consultancy

Home Institution 1 and Nature of Home Institution

Electrical and Electronics Engineering Institute – Academic

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Laboratory Head

Contact Details

 <http://www.eee.upd.edu.ph/irc/206>
 9818500 loc 3360

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
MOBILE ROBOTICS LABORATORY



Date Established

1998

Mandate/Mission

The UP Mobile Robotics (MOBOT) Laboratory is a research laboratory focusing on mobile robots as intelligence agents. Research areas include robot platform and system development, robot navigation, sensors, control and monitoring systems.

Flagship Programs and/or Major Activities

Recent projects focus on outdoor navigation and indoor robot platform development

Functions of the Unit

- Research
- Training / Continuing education
- Consultancy

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

Home Institution 1 and Nature of Home Institution Electrical and Electronics Engineering Institute – Academic

Home Institution 2 and Nature of Home Institution College of Engineering – Academic

Head of Unit's Position Laboratory Head

Contact Details  <http://www.eee.upd.edu.ph/mobot>
 9252958; 9252957

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
POWER ELECTRONICS LABORATORY



Date Established September 1996

Mandate/Mission

The UP Power Electronics Laboratory (PEL) was established with a company endowment from Astec Custom Power (Philippines) Inc. to advance the knowledge in switch-mode power converters, electric motor drives, lighting technology, electronic amplifiers, and electromagnetic compatibility. The Laboratory also addresses research in renewable energy such as solar and wind power. In addition, improved IC controller designs further motivates the development of more efficient power supplies and converters with higher power densities. Further advancements in lighting technology research have also been undertaken with the arrival of more and more proficient LED designs as well as other HID lamps.

Flagship Programs and/or Major Activities

- Power supplies and converters: power supplies for mobile robotics applications, microcontroller-based switch-mode power converters, and high-power charger for electric traction vehicles; feasibility of wireless power transfer for electric vehicle charging;



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

- Electric motor drives: electric standing scooter, power-assisted electric bicycle, retrofitted electric motorcycle, and electric golf cart;
- Lighting technology: more efficient and smart lighting systems for a wide variety of applications, high-intensity discharge (HID) lamps and electroluminescent (EL) lamps;
- Renewable energy (Solar): maximum-power point tracking of photo-voltaic systems, multi-mode battery charging via PV array, and grid-tie photo-voltaic system integration; and
- Renewable energy (Wind): wind-turbine generator system, localization and cost-reduction of the technology for use of local isolated villages; hybrid power systems that involve the consolidation of multiple power sources, renewable or non-renewable, operated to service a specific load.

Functions of the Unit

- Research
- Training / Continuing education
- Consultancy

Home Institution 1 and Nature of Home Institution

Electrical and Electronics Engineering Institute – Academic

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Laboratory Head

Contact Details

🌐 <http://www.eee.upd.edu.ph/pel>
☎ 9818500 local 3333

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
**POWER SYSTEM SIMULATION
LABORATORY**



<i>Date Established</i>	1997
<i>Mandate/Mission</i>	The mission of the Power System Simulation Laboratory (PSSL) is to support the development of the Philippine electric power industry by conducting advanced research and training in modeling and hardware simulations for power system analysis, planning, design, operation, control, and automation. Software simulations may also be used in support of this. The PSSL also supports some of the academic courses of the EEE Institute, in particular EE 256 (Power System Protection) and EE197J/EE 298J (Distribution Automation). In addition the PSSL also supports the workshops, seminars, and training programs of the EEE Institute and the National Engineering Center.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Support for the UP National Engineering Center in its Competency Training and Certification Program for Electric Power Distribution System Engineering• Power System Protection (CPD6)• Distribution Automation (CPD7)• Lab for undergraduate student projects• Research on Techniques for Power System Reliability Evaluation
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/Continuing education• Academic – non-degree granting• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Electrical and Electronics Engineering Institute – Academic

<i>Home Institution 2 and Nature of Home Institution</i>	College of Engineering – Academic
<i>Head of Unit's Position</i>	Laboratory Head
<i>Contact Details</i>	 http://www.eee.upd.edu.ph  9252958; 9252957

COLLEGE OF ENGINEERING
ELECTRICAL AND ELECTRONICS
ENGINEERING INSTITUTE
**WIRELESS COMMUNICATIONS
ENGINEERING LABORATORY**



<i>Date Established</i>	1995
<i>Mandate/Mission</i>	The Wireless Communications Engineering Laboratory (WCEL) is a research and instructional facility involved in the design, integration and analysis of wireless communications devices, circuits and systems. Its primary objective is to provide instructional and training support, as well as to spearhead the research and development efforts of the Electrical & Electronics Engineering Institute (EEEI) in the area of wireless communications technology.
<i>Flagship Programs and/or Major Activities</i>	The current flagship projects and thrusts of the WCEL are the following: <ul style="list-style-type: none">• Enabling next generation wireless communication systems by advancing communication theory• Software-defined radio and cognitive radio for TV white space• Investigating resilient communications infrastructure for use in emergencies, education and health• Local development of radar systems• Next-generation RFID and wireless sensor networks

	<ul style="list-style-type: none">• RF/Microwave and millimeter wave blocks for wireless communication systems
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/ Outreach• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Electrical and Electronics Engineering Institute – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Engineering – Academic
<i>Head of Unit's Position</i>	Laboratory Head
<i>Contact Details</i>	 http://www.eee.upd.edu.ph/wcel/86  9818500 local 3353

COLLEGE OF ENGINEERING INSTITUTE OF CIVIL ENGINEERING



<i>Date Established</i>	1910 – Department of Civil Engineering 2008 – Institute of Civil Engineering
<i>Mandate/Mission</i>	In October 2008, the University of the Philippines Board of Regents approved the transformation of the Department of Civil Engineering to an Institute with the creation of the Institute of Civil Engineering (ICE) to address the growing need for a center of excellence in civil engineering and its specialized fields, with combined capabilities in instruction, research and extension service.
<i>Flagship Programs and/or Major Activities</i>	ICE is the first and only Institute of Civil Engineering in the Philippines. The curriculum offered when Engineering first opened its doors in 1910 was Civil Engineering. Originally, it prescribed a 4-year course leading to a degree of Bachelor of Science; the degree of Civil Engineer was conferred after an additional year of study. Revision of the curriculum to a 4-year course leading to a Bachelor of Science in Civil Engineering was immediately made. The 4-year curriculum with occasional changes in the

required courses stayed on until 1953 when the 5-year curriculum in the various engineering disciplines was adopted.

Research in the Institute is conducted in groups, as follows:

- Construction Engineering and Management Group (CEMG)
 - Track 1: Sustainable Housing
 - Eco-friendly (sustainable) Materials
 - Sustainable Housing Systems
 - Building Envelopes for Tropical Environment
 - Track 2: Durable Infrastructure
 - Safety and Reliability of Structures
 - Effect of environment on structures/ Disaster Impact Reduction (Mitigation)
 - Management and Maintenance of Infrastructures
 - Energy Efficiency in Civil Engineering Structures
 - Track 3: Construction Productivity Improvement
 - Development of IT-enabled Tools for Productivity Improvement (with CS/EEE)
 - Development of Productivity Database for Construction (with IE)
 - Harmonization of Construction Materials Standards with International Standards
 - Development of Skills Evaluation Standards for Construction Workers (with TESDA)
- Structural Engineering Group (SEG)
 - Risk Management and Disaster Mitigation Program: Multi-Hazard Approach (Earthquake, Severe Wind, Fire)
 - Monitoring, Evaluation, Rehabilitation and Retrofit of Existing Structures
 - Design, Development and Testing of Alternative Infrastructure Systems
 - Design and Development of Structural Analysis Software for Research and Instruction

- Geotechnical Engineering Group (GEG)
Characterization of Indigenous Geomaterials
Construction in Problematic Geotechnical Conditions
Assessment and Mitigation of Risk Related to Geotechnical & Geoenvironmental Hazards
- Water Resources Engineering Group (WREG)
Water Supply and Sanitation
Water Related Disasters
Climate Change
Coastal Engineering
- Environment and Energy Engineering Group (EEEG)
Monitoring and Remediation of Contaminated Groundwater
Water Quality Management
Sanitation and Wastewater Treatment Technologies
Environmental Impacts on Structures
Characterization of Philippine Soils for Landfill Liners and Covers
- Transportation Engineering Group (TEG)
Environmentally Sustainable Transport
Road Safety and Maintenance
Transport, Traffic and Environment Modeling and Simulation
Re-engineering the Jeepney

Functions of the Unit

- Research
- Consultancy
- Academic – degree granting

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Director

Contact Details

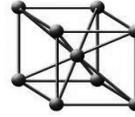
🌐 <http://www.coe.upd.edu.ph/academics/institutes/ice>
<https://sites.google.com/site/upcivilengg/Home>
☎ 9818500 local 3116; 4343635



COLLEGE OF ENGINEERING
INSTITUTE OF CIVIL ENGINEERING
**GEOENVIRONMENTAL ENGINEERING
LABORATORY**

<i>Date Established</i>	2007
<i>Mandate/Mission</i>	The Geoenvironmental Engineering Laboratory (GEL) is a laboratory for research in the geoenvironmental engineering and environmental soil physics. It is used by the undergraduate BSCE students and graduate MS EnE and PhD EnE students for their experiments. All researches are funded by the Engineering Research & Development for Technology (ERDT) grants and in research collaboration with colleagues from Saitama University.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Measuring soil properties• Waste characterization studies• Water quality analysis
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research
<i>Home Institution 1 and Nature of Home Institution</i>	Institute of Civil Engineering – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Engineering – Academic
<i>Head of Unit's Position</i>	Group Head (Environment and Energy Group)
<i>Contact Details</i>	☎ 4343635

COLLEGE OF ENGINEERING
UP NATIONAL ENGINEERING CENTER



Date Established

27 January 1978

Mandate/Mission

The University of the Philippines National Engineering Center (UPNEC) was established in 1978 as a distinct and separate unit of UP by virtue of Presidential Decree No. 1295. The creation was a response to the country's continuing efforts at national development, which require progressive and adequate utilization and diffusion of technology, as well as a steady and expanding supply of technical manpower with expertise in the various fields of technology and engineering.

The UPNEC provides a venue for continuing interaction among government, industry, and the university which will be beneficial to all concerned and, at the same time, serve the interests of national development. The Center also serves as the research and extension arm of the UP College of Engineering (UPCOE).

To achieve its principal purpose of accelerating industrial growth, the UPNEC's main concerns are directed towards the following:

- Strengthening and ensuring a steady supply of technical manpower in the various fields of engineering, and
- Developing technologies which utilize indigenous resources that are appropriate to the needs of the local industry.

The Center envisions itself to become the hub of engineering innovations and technology by fulfilling its mission of providing and sustaining expanding resources of technical expertise, solutions and information in partnership with government, industry and academe for accelerated national development and well-being.

*Flagship Programs and/or
Major Activities*

- Training and Consultancy

The UPNEC is the leading provider of continuing engineering education through the Professional Engineering Training Division (PETD). The Center has been empowering engineers and non-technical personnel from various industries, national agencies and local government units through its short courses in various fields of engineering, competency training programs, customized in-house seminars, enhancing and updating programs.

The training programs and consultancy services focus on the following:

1. Mechanical Engineering and Maintenance Management
2. Chemical Engineering and Environmental Management
3. Construction
4. Electrical and Electronics Engineering
5. Industrial Engineering and Operations Research
6. Mining and Materials Engineering
7. Water Resource Technology
8. Geodesy and Photogrammetry

- Engineering Information Services (EIS)

The EIS compiles information on existing research information from the various departments, institutes, and programs of the UP COE. It also publishes research output in the periodicals, technical bulletins and the refereed *Philippine Engineering Journal* (PEJ).

- Research and Development

The UPNEC's R&D efforts are carried out through the following Centers:

1. Building Research Service (BRS)
2. National Center for Transportation Studies (NCTS)
3. National Hydraulic Research Center (NHRC), and

4. Training Center for Applied Geodesy and Photogrammetry (TCAGP)

- Major Projects

Some of the Center's long-running projects are in key areas of Energy and Power and Water and Sanitation. Other projects have also been completed in other key areas such as Transportation, Health and Environment and Manufacturing.

Water. Public Assessment of Water Services (PAWS) was instituted as a methodical tool to strengthen the monitoring activities of the Metropolitan Waterworks and Sewerage System-Regulatory Office (MWSS-RO).

Electricity. UPNEC trains and tests to certify as specialists the utility engineers and other technical personnel in specific competencies in engineering modeling and analysis, planning, operation and control, design, automation, and utility economics through the Competency Training and Certification Program in Electric Power System Engineering.

Functions of the Unit

- Research
- Training/Continuing education
- Consultancy

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Executive Director

Contact Details

🌐 <http://www.upnec.com/>
☎ 9818500 locals 3003, 3005, 3006, 3008, 3048; 9271581; 9291710

COLLEGE OF ENGINEERING
UP NATIONAL ENGINEERING CENTER
BUILDING RESEARCH SERVICE

<i>Date Established</i>	29 July 1971
<i>Mandate/Mission</i>	<ul style="list-style-type: none">• To foster and undertake integrated research, comprehensive advisory services, and independent testing and dissemination of information relevant to the building industry;• To publish and disseminate research results to the public; and• To promote active and beneficial interaction among the various sectors of the building industry involved in research, practice and production.
<i>Flagship Programs and/or Major Activities</i>	<p>Through the years, the Building Research Service (BRS) has actively pursued research on building design, indigenous building materials and technology. Moreover, the BRS has performed many laboratory and field tests for both government and private entities. BRS staff has participated in the conduct of trainings/seminars and in inter-agency technical committees. The research agenda of the BRS consist of the following:</p> <ul style="list-style-type: none">• Sustainable Housing – Philosophies, strategies/approaches, materials, methods, technologies that lead to sustainability (energy efficiency, low carbon footprint) in houses and buildings<ol style="list-style-type: none">1. Eco-friendly materials2. Cement-based composites3. Sustainable housing systems4. Building envelopes for tropical environment• Durable Infrastructure – Ensuring performance of infrastructure according to design (properties of materials, effect of environment, design life, hazards)<ol style="list-style-type: none">1. Deterioration of structures due to environment effects (physical effects, chemical effects, electrochemical effects)

2. Effect of extreme events/Disaster impact mitigation and reduction (earthquake, fire, typhoon)
 3. Monitoring, testing and maintenance of infrastructure
- Efficient Construction – Construction productivity improvement, use of IT-enabled tools in construction, testing and standards
 1. Development of IT-enabled tools for productivity improvement
 2. Construction standards

Functions of the Unit

- Research
- Extension/Outreach
- Consultancy

Home Institution 1 and Nature of Home Institution

UP National Engineering Center – Research/ Training

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Director

Contact Details

 <http://www.coe.upd.edu.ph/old/?q=brs>
 9818500 local 3021

COLLEGE OF ENGINEERING
NATIONAL ENGINEERING CENTER
**NATIONAL CENTER FOR
TRANSPORTATION STUDIES**



Date Established

Established as the Transport Training Center (TTC) on 12 July 1976 when it was jointly operated by the then Department of Public Highways, the Department of Public Works, Transportation and Communications and the University of the Philippines, the center was restructured and renamed as the National Center for Transportation Studies (NCTS) in 03 November 1993.

Mandate/Mission

The NCTS envisions itself to become an internationally recognized center of excellence in the field of transportation studies. It seeks to contribute to national growth and development by supporting academic instruction, conducting and promoting scholarly research, training, information and other extension services in the field of transportation. Its advocacies include: Sustainable Transport; Integrated Transport System; Road Safety; and Institutional Development. The NCTS conducts training and research in the field of transportation and traffic planning, management and engineering.

Flagship Programs and/or Major Activities

Programs and projects of the NCTS are in line with its advocacies:

- Sustainable Transport – NCTS is actively promoting the development and greater use of sustainable modes of transport, including the Bus Rapid Transit (BRT). There are on-going research activities that tackle the social, economic, as well as, environmental dimensions in the transport sector.
- Integrated Transport System – NCTS is actively cooperating with concerned government agencies towards the development of a well-integrated national transportation system. On-going research activities are focused on multi-modal transportation, land use and transport interaction, planning and decision support systems, and other cross-cutting policy issues.
- Road Safety – NCTS is doing a valuable part in promoting safety on the streets. Forums involving different concerned agencies, LGUs and NGOs are regularly conducted to discuss and formulate solutions in preventing and reducing accident occurrences.
- Institutional Development – Since its inception, the Center has been conducting training programs aimed at enhancing the capacities of the institutions in the transport sector. At present, the Center is building partnerships with other concerned agencies and academic

units in the conduct of responsive and demand-driven programs in the field of transportation.

Major activities are categorized under:

- Research and other studies – academic and contract researches on transportation engineering and planning; other studies include transport/traffic impact assessments of proposed developments, formulation of transport and traffic management plans for local government units, and institutional studies for transport including those for public transport, traffic engineering and transport policy development. The latter studies are also conducted for the private sector.
- Capacity and capability building – provision of training services in transportation planning, traffic engineering and management, transport project development, etc. mainly for national government agencies (NGA) and local government units (LGU).
- Technical advisory – The NCTS cooperates with the DOTC, DPWH, DENR, DOE, DOST, DILG and MMDA on various transport concerns including those pertaining to public transport, vehicle standards and regulations, alternative fuels, road safety and others. The center is a member of the Inter-Agency Committee on Transportation Planning chaired by the NEDA.
- Information management – the center is a repository of transportation and traffic data. It collects and receives various information from national agencies like the DOTC, DPWH and DENR and makes these available to researchers and other users of transport/traffic data through its library and online resources.

Functions of the Unit

- Research
- Training / Continuing Education
- Consultancy
- Academic – non-degree granting

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Home Institution 1 and Nature of Home Institution</i>	UP National Engineering Center – Research/ Training
<i>Home Institution 2 and Nature of Home Institution</i>	College of Engineering – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://ncts.upd.edu.ph/main/  9818500 locals 3551, 3552, and 3553; 9290495

COLLEGE OF ENGINEERING
UP NATIONAL ENGINEERING CENTER
NATIONAL HYDRAULICS RESEARCH CENTER

<i>Date Established</i>	1973
<i>Mandate/Mission</i>	The National Hydraulics Research Center (NHRC) was established with the aim of creating a R & D center within an academic environment to conduct research and provide technical advice on various problems of water resources development and management, hydrology, hydraulic and coastal engineering, fluid mechanics, and other related fields. In almost 40 years of its existence the NHRC has developed and served as the national center of water-resources expertise, and provided the support organization and physical facilities for conducting the necessary physical and mathematical modeling research and producing technical output and advice in water resources engineering and management needed by government and the private sector.
<i>Flagship Programs and/or Major Activities</i>	To carry out its mandate of providing research-expert services in hydraulic engineering, hydrology, and water resources management, the NHRC has adopted, among others, the following strategies: <ol style="list-style-type: none">1. Engage in active marketing and public-relations activities with prospective clients

- in the government and public sectors;
participate in dialogues and conferences,
exhibitions, publications, internet
homepage, and other extension activities;
and in the process, win and accomplish the
right number and scale of contract-
research projects needed in order to
remain financially sound and viable;
2. Provide support to academic functions
such as in course instructions and faculty-
student researches in terms of making
available laboratory and computer facilities
through proper coordination between
NHRC staff and college faculty;
 3. Pursue cooperative research projects with
other departments and units of UP where
such opportunities and needs exist;
 4. Aim for achieving international stature for
NHRC (aside from the present national
stature) by developing research networks
with researchers in foreign research
institutions and universities; attending
international conferences; publishing in
international journals; and undertaking
international joint research projects; and
 5. Project and enhance a national image of
the NHRC as primarily an academic-
research and extension center under UP
which is poised and ready to help in
efforts for national resource management
and development through the provision of
expert research knowledge and advice to
national leaders and managers.

Research and Development Projects (2008 –
2012)

1. Reservoir Sedimentation Study and
Management Plan – San Roque Multi-
purpose Reservoir (July 2006 to May 2008,
with the National Power Corporation)
2. Ambuklao and Binga Rehabilitation Project
Sedimentation and Reservoir Operation
Studies (February 2009 to March 2009,
with NORCONSULT Management Services
(Phil.) Inc.)

3. Enhancement, Incorporation, Optimization Module and Calibration of MWSI Water Distribution Network Model (September 2008 to July 2009, with Maynilad Water Services, Inc.)
4. Hydro-Geological Assessment for the Reliability of Water Supply Philippines: Pampanga River Top Meters (October 2010 to February 2011, with Manila Water Company, Inc.)
5. Flood Hydraulic Study of Marikina River around Circulo Verde and Rosario Weir (January 2011 to April 2011, with Ortigas Property, Inc.)
6. Hydro-Geological Assessment for the Reliability of Water Supply Philippines: Pangasinan and Agno River Basin Top Meters (March 2011 to July 2011, with Manila Water Company, Inc.)
7. Hydro-Geological Assessment for the Reliability of Water Supply Philippines: Batangas River Basin Top Meters (August 2011 to December 2011, with Manila Water Company, Inc.)

Major Training Programs (2008 – 2012)

1. National Engineering Center, Hydrology and Hydropower Development for First Gen Corporation, 13-15 August 2008
2. Metro Cebu Water District, Groundwater Flow and Solute Transport Modeling with FEMWATER Model, 27-28 October 2008
3. UNESCO-IHP Asia Pacific FRIEND Workshop on Design Rainfall and Flood Frequency, Ho Chi Minh City, Vietnam, 9-10 March 2009
4. Hydraulic Modeling with HEC-RAS Hydraulic Model, HEDCOR, Baguio City, 24-26 March 2010
5. Application of Enhanced EPANET Pipe Distribution Network Model with Optimization for MWSI Engineers, 18 February, 1 and 12 March 2010
6. Seminar/Computer Workshop on Hydrology, Hydraulics and Water

Resources Engineering for NAPOCOR in four 3-day course modules, NAPOCOR, Diliman Office, 4-6 April 2011, 11-13 May 2011, 24-26 October 2011, and 29 November 2011 & 1-2 December 2011

7. Reservoir and Hydropower Energy Modeling, HEDCOR, Baguio City, 26-28 October 2011
8. Engineering Hydrology and River Engineering, HEDCOR, Baguio City, 3-5 November 2011

Functions of the Unit

- Research
- Training/Continuing education
- Consultancy
- Extension/Outreach
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

UP National Engineering Center – Research Training

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Director

Contact Details

☎ 9818500 local 3116; 4343635

COLLEGE OF ENGINEERING
UP NATIONAL ENGINEERING CENTER
**TRAINING CENTER FOR APPLIED GEODESY
& PHOTOGRAMMETRY**

<i>Date Established</i>	07 October 1964
<i>Mandate/Mission</i>	<p>The conceptual plans for the training program of the Center were in a two-fold aim. On the short-range basis, it seeks to fill the immediate needs of the various agencies for technical personnel required in the execution of land capability surveys and mapping for Land Reform use by means of aerial photogrammetry. On a long-range basis, it has aimed to provide through formal classroom laboratory and field work, training for the development and advancement of technical personnel of the Land Authority, other government agencies and the private sector in the fields of geodesy, photogrammetry, photo-interpretation, and cartography, on a national level, and ultimately, on a regional level, for the Far East and Asia.</p>
<i>Flagship Programs and/or Major Activities</i>	<p>The Training Center provides a continuing geodetic engineering program for engineers, agriculturists, foresters and geologists. Seminars and special summer courses had been conducted for teachers, professionals, practitioners and other government personnel who are not able to attend the regular semestral training programs.</p> <p>Another major function of the Training Center is research, covering as many aspects of photogrammetry, applied geodesy and photo-interpretation as possible. Through collaborative works with various government agencies, local and international universities, and the industrial sector, a variety of research and creative works have been conducted increasing and refining techniques, concepts and methods in the practice of surveying, cartography, and photogrammetry. In addition, members of the academic staff of the Center have been providing technical assistance on consultation basis.</p>

The specific areas of training and research are:

- Land and Engineering Surveys
- Geomatics Research, Education and Training
- Remote Sensing Techniques and Application
- Geographic Information Systems
- Mapping, Photogrammetry and Image Interpretation
- Cartography and Geovisualization
- Environmental Geomatics
- Disaster Risk Assessment and Modeling
- Land Administration and Valuation

Functions of the Unit

- Research
- Training/ Continuing education
- Consultancy
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

UP National Engineering Center – Research/ Training

Home Institution 2 and Nature of Home Institution

College of Engineering – Academic

Head of Unit's Position

Director

Contact Details

- 🌐 http://www.dge.upd.edu.ph/Courses_TC_Page.html
- 🌐 <http://updgetcagp.drupalgardens.com/content/training-center-applied-geodesy-and-photogrammetry>
- ☎ 9818500 local 3124

COLLEGE OF FINE ARTS CERAMIC STUDIO

<i>Date Established</i>	2008
<i>Mandate/Mission</i>	The Ceramic Studio is tasked with the development of pottery and ceramics as vehicles for artistic expression for the students and faculty of the College of Fine Arts (CFA). It also seeks to develop a network of creative synergy between the local and industry practitioners of pottery and ceramics with the UP community.
<i>Flagship Programs and/or Major Activities</i>	The Ceramic Studio supports the Materials classes & General Education course offerings of the CFA. It also invites local & foreign industry practitioners to deliver training for students and faculty on pottery and ceramics. The Studio houses preparation area, potter's wheels and kilns to produce the creative works of its users in the use of clay and appropriate supplementary media.
<i>Functions of the Unit</i>	<input type="checkbox"/> Creative work <input type="checkbox"/> Training/Continuing education <input type="checkbox"/> Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Visual Communication – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Fine Arts – Academic
<i>Head of Unit's Position</i>	Coordinator
<i>Contact Details</i>	 www.up-cfa.com  9818732; 9818731

COLLEGE OF FINE ARTS COMPUTER LABORATORY

<i>Date Established</i>	1999
<i>Mandate/Mission</i>	The Computer Laboratory of the College of Fine Arts (CFA) trains in the creative production of digital images for use in the different creative programs. It provides students and trainees with the opportunity to explore different techniques in image generation and presentation using different software types for different applications.
<i>Flagship Programs and/or Major Activities</i>	The Laboratory assists students in the digital representation of concepts and generation of images for print, web-delivered content, virtual 3D modelling, and moving images for the purposes of conveying information, training, and entertainment. The Laboratory houses computers and networking facilities where students and trainees learn to create and manipulate images, develop 3D models for product design and animation, create images and layouts for print and the web, and edit videos and moving images. In some instances, workshops are offered to non-CFA digital arts enthusiasts.
<i>Functions of the Unit</i>	<input type="checkbox"/> Creative work <input type="checkbox"/> Training/Continuing education <input type="checkbox"/> Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Visual Communication – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Fine Arts – Academic
<i>Head of Unit's Position</i>	Coordinator
<i>Contact Details</i>	 www.up-cfa.com  9818732; 9818731

COLLEGE OF FINE ARTS
PHOTOGRAPHY LABORATORY

<i>Date Established</i>	1973
<i>Mandate/Mission</i>	The Photography Laboratory trains in the creative production of photographic images. It provides students and trainees the opportunity to explore different techniques in image capturing, production, and reproduction using photographic processes.
<i>Flagship Programs and/or Major Activities</i>	The Laboratory is composed of a processing area for black and white negative and positive developing and a shooting studio. It is used by students of photography courses and serves trainees in workshops. With black and white photography declining in popular use and is being phased out in many schools, the maintenance of the CFA Photography Laboratory helps keep the dying art alive.
<i>Functions of the Unit</i>	<input type="checkbox"/> Creative work <input type="checkbox"/> Training/Continuing education <input type="checkbox"/> Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Visual Communication – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Fine Arts – Academic
<i>Head of Unit's Position</i>	Coordinator
<i>Contact Details</i>	 www.up-cfa.com  9818732; 9818731

COLLEGE OF FINE ARTS PRINTMAKING STUDIO

<i>Date Established</i>	1995
<i>Mandate/Mission</i>	The Printmaking Studio trains in the creative production of images using printmaking processes. It provides students and trainees the opportunity to explore different techniques in image generation using stone, metal, and rubber on paper media for art creation, keeping alive the long years of artistic tradition in the studio arts.
<i>Flagship Programs and/or Major Activities</i>	The College of Fine Arts (CFA) hosts one of the few printmaking facilities among Philippine schools, thus contributing to the continued practice of printmaking in the Philippines and keeping artistic traditions in printmaking alive. The Studio is composed of print presses, cleaning areas, and inking facilities for artistic production of images on paper. In some instances, the Studio opens its doors to non-student printmaking enthusiasts for training purposes.
<i>Functions of the Unit</i>	<input type="checkbox"/> Creative work <input type="checkbox"/> Training/Continuing education <input type="checkbox"/> Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Studio Arts – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Fine Arts – Academic
<i>Head of Unit's Position</i>	Coordinator
<i>Contact Details</i>	 www.up-cfa.com  9818732; 9818731

**COLLEGE OF HOME ECONOMICS
OFFICE OF COMMUNITY AND
EXTENSION SERVICES**

<i>Date Established</i>	June 1978
<i>Mandate/Mission</i>	The mission of the Office of Community and Extension Services (OCES) is to assist and enable the Filipino family and the community in the management of its resources through the systematic prioritization, planning, coordination and implementation of priority and relevant community extension services utilizing the resources of the different departments of the College of Home Economics.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Prepares, conducts, and facilitates extension services utilizing the various resources of the College to promote a productive personal, professional, and family life and responsive citizenship.• Formulates and implements policies congruent with the College thrust, priorities and plans for community and extension services.• Promotes the community and extension service activities of the College in collaboration with other units and outside agencies.• Addresses social and economic issues that affect the Filipino family through advocacy, lobbying, mass education, media coverage and involvement in social actions.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/Outreach• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Home Economics – Academic
<i>Head of Unit's Position</i>	Chairperson
<i>Contact Details</i>	<p>☎ 9818500 local 3407 ✉ oces.che@up.edu.ph</p>

COLLEGE OF HOME ECONOMICS PILOT FOOD PLANT

<i>Date Established</i>	1961
<i>Mandate/Mission</i>	The UP Pilot Food Plant (PFP) was established primarily to serve as a training laboratory for food technology students. It also provides technical assistance to private individuals, small- and medium-scale companies, and government agencies in the form of food processing, product development and quality control.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Serves as a laboratory for Food Science and Nutrition classes at the College of Home Economics• Provides services to food companies in the form of research and development (including, heat penetration studies and sensory evaluation) and production of processed foods• Provides technical/analytical services (proximate composition analyses, cut-out tests, physic-chemical tests, microbiological tests) to food companies, government agencies, other academic institutions and other service laboratories• Provides training and extension services such as a) Short courses on drying and dehydration, b) Training on food safety, and c) Fruitcake and traditional ham production – every year (November to December)
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/Outreach• Training/Continuing education• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Home Economics – Academic
<i>Head of Unit's Position</i>	Faculty-in-Charge
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 https://www.facebook.com/pages/UP-Pilot-Food-Plant-College-of-Home-Economics☎ 9818500 local 3413

COLLEGE OF HOME ECONOMICS UP CHILD DEVELOPMENT CENTER

Date Established

1957 – the 'University Nursery School', the precursor of the present UP Child Development Center laboratory, was established as the practicum for students of Home Management and Family Life of the Department of Home Economics under the College of Education, University of the Philippines.

1961 – the College of Home Economics was established as a separate College, and the Department of Family Life and Child Development (FLCD) was instituted offering the BS in Family Life and Child Development (BSFLCD) as an academic program.

1969 – the University Nursery School became the present UP Child Development Center (UPCDC) as a laboratory school for studying children and their development by the FLCD Department.

Mandate/Mission

The UP CDC aims to develop the children holistically by fostering a strong partnership between school and family. As a laboratory school, its main purpose is to support the thrust of the FLCD Department as well as the University, namely, in teaching, research and extension activities.

- Teaching – the Center provides 1) the teachers the knowledge and experience needed in the teaching in the tertiary level in the areas of Child Development, Early Childhood Education, Research in Children and Families (methodologies for), and Family Life – Dynamics and Programs; and 2) the students with hands-on experience in teaching young children through observations and planning curriculum, administration, etc.
- Research – it is a venue for undergraduate/graduate degrees thesis research and for faculty researches.
- Extension – it provides the College's constituents with the materials, knowledge and experiences needed in order to impart to

	fellow practitioners, and serves as a venue for observers wishing to develop similar programs.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Serves as the laboratory for the Family Life and Child Development students;• Provides a venue for local and international studies;• Provides instruction for infants ages 3 months to 6 months;• Has nine (9) Preschool Classes for children ages 3-6mos and ages 1.3-5.5. (these classes are the IDP Class, Toddler's Class, 2's Class, 3's Class, 4's Class, 4's and 5's Class, 5's Class and a Vertical Class in the morning and Vertical Class in the afternoon); and• Provides an Inclusion Program for children with special needs.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/Outreach• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Family Life and Child Development – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Home Economics – Academic
<i>Head of Unit's Position</i>	Faculty-in Charge
<i>Contact Details</i>	☎ 9818500 local 3406; 9261552; 9202089

COLLEGE OF HUMAN KINETICS COMMUNITY RECREATION PROGRAM

<i>Date Established</i>	No information
<i>Mandate/Mission</i>	<p>The Community Recreation Program of the College of Human Kinetics (CHK) is committed to improve the health and wellness of the students, faculty, staff, and the rest of the local community by providing excellent and wide-array of fitness, dance, and sports activities. The Program aims to:</p> <ol style="list-style-type: none">1. To improve the health and wellness of the students, faculty, staff, and the rest of the local community by providing excellent and wide-array of fitness, dance and sports activities.2. To give opportunities for the UP varsity students, faculty, and alumni to impart their skills and knowledge in dance and sports activities to the community.3. To create events that will raise awareness and influence the community to pursue health and wellness.4. To help establish community recreation programs in different regions of the country by conducting seminars, training, and establishing partnerships with the local government and private sectors.
<i>Flagship Programs and/or Major Activities</i>	<p>Organized non-credit instructional classes from beginners to competitive levels in various fitness, dance and sports activities are scheduled every June to October (1st Semester), November to March (2nd Semester), and April to May (Summer). Each participant pays a fee for an activity course which lasts from 6 weeks (during summer) to 18 weeks (during a semester). Outside agencies may also request for any sport service such as tournament management, physical fitness programs, instructional classes, seminar-workshops on physical education and sports science, within or outside the University. The facilities of the College are also open for rent. Fees for such services are arranged from case-to-case basis.</p>

	The Program plans to organize an annual fun run event which aims to create awareness and influence the public to pursue healthy lifestyles.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Training/Continuing education• Extension/Outreach
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Human Kinetics – Academic
<i>Head of Unit's Position</i>	Community Recreation Director
<i>Contact Details</i>	<p>🌐 www.upchkcomrec.weebly.com ☎ 9818500 locals 4126, 4128 and 4130</p>

INSTITUTE OF ISLAMIC STUDIES INSTITUTE OF ISLAMIC STUDIES

<i>Date Established</i>	22 November 1973
<i>Mandate/Mission</i>	<p>The Institute of Islamic Studies (IIS) was created by Presidential Decree 342 as an integral part of the Philippine Center for Advance Studies (PCAS). With the abolition of PCAS by Executive Order No. 543 issued by the President of the Philippines on 9 July 1979, the Institute was re-established as a separate unit of the University of the Philippines.</p> <p>The Institute aims to provide university students, both Muslims and non-Muslims, an opportunity to participate more fully in national life and development. More specifically, it intends to create deeper understanding and more rapport between the Muslims of the Philippines and the rest of the national community. Moreover, it aims to shed light on certain portions of Philippine history and to place the role of the Islamic cultural heritage in shaping the Philippines and neighboring Southeast Asian countries in proper perspective. It is envisioned that the Institute will serve as a meeting place for scholars interested in Islamic</p>

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

history and culture from Asia and other parts of the world.

Flagship Programs and/or Major Activities

The Institute renders the following services:

- Conduct lecture series whenever necessary on Islamic history, law and religion including contemporary events affecting the lives of Muslim Filipinos;
- Undertake commissioned researches regarding Muslim communities and Islamic heritage;
- Translate documents from Arabic to English and vice versa as well as translate documents from English or Tagalog to a local ethnic language (i.e. Tausug, Maranao, Maguindanao, Sama and Yakan);
- Publish *Sahiyfah*, IIS Newsletter, together with other journals, papers and monographs;
- Extend services on areas of faculty competence;
- Conduct public fora, roundtable discussions, national and international conferences, lectures, seminars and workshops about Muslim culture, history and institutions, and about issues and policies affecting Muslims in the Philippines.

Functions of the Unit

- Research
- Extension/ Outreach
- Training/ Continuing education
- Publication
- Academic – degree granting

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

Not applicable

Head of Unit's Position

Dean

Contact Details

 <http://iis.upd.edu.ph>
 9818500 local 3583; 9298286

INSTITUTE OF ISLAMIC STUDIES RESEARCH, PUBLICATION AND EXTENSION DIVISION

<i>Date Established</i>	1983
<i>Mandate/Mission</i>	The Research, Publication and Extension Division (RPED) of the Institute of Islamic Studies serves three major functions: to act as an educational tool in advancing national awareness regarding Muslim culture, history and institutions, towards creating national unity; to respond to national and international issues and policies affecting Muslims in the Philippines; and to generate more discussions and publications on the Muslims in the Philippines.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Higher Islamic Education – The RPED, in collaboration the Research Association of Islamic Social Sciences (RAIS), organizes annually the efforts of Islamic Studies institutions in the strengthening of Higher Islamic Education in the country.• Regular series of fora and symposia at the IIS to address issues on Peace and Development in Mindanao and the Autonomous Region in Muslim Mindanao (ARMM)• Regular engagement in public lectures to address contemporary issues in the Muslim world
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/ Outreach• Publication• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Institute of Islamic Studies – Academic
<i>Head of Unit's Position</i>	Research Coordinator
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 www.iis.upd.edu.ph☎ 9818500 local 3583; 9298286✉ iis@up.edu.ph



SCHOOL OF LABOR AND INDUSTRIAL RELATIONS
**CENTER FOR INDUSTRY PRODUCTIVITY
AND COMPETITIVENESS**

<i>Date Established</i>	20 December 1996
<i>Mandate/Mission</i>	The Center for Industry Productivity and Competitiveness (CIPC) undertakes research and trainings aimed at strengthening the capability of local industries in making appropriate productivity-enhancing IR/HRD measures, as well as in promoting greater workers' participation in productivity improvement programs.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• On Research<ol style="list-style-type: none">1. Provide forums to help address the situation of the 5 million vulnerable employed youth;2. Network with other stakeholders in research/advocacy in shared growth in Asia;3. Establish the ASEAN Cultural Economy and Labor Studies Association in preparation for the ASEAN 2015;4. Provide social dialogues on gender and development with focus on women empowerment through cooperatives;5. Help formulate key strategies in advancing Philippine manufacturing competitiveness through research and development; and6. Undertake research on profit sharing with DOLE.□ On Training and Continuing Education<ol style="list-style-type: none">1. Gender issues and the case for gender pay equity2. Social capital and the green economy3. Certificate course in IR/HR
<i>Functions of the Unit</i>	<ul style="list-style-type: none">□ Research□ Training/Continuing education□ Extension/Outreach

<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	School of Labor and Industrial Relations – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	http://solair.upd.edu.ph/about_solair.html 9818500 local 4073

SCHOOL OF LABOR AND INDUSTRIAL RELATIONS CENTER FOR LABOR AND GRASSROOTS INITIATIVES

<i>Date Established</i>	20 December 1996
<i>Mandate/Mission</i>	The Center for Labor and Grassroots Initiatives (CLGI) undertakes research and training programs aimed at widening workers' ownership base in corporate assets and strengthening grassroots entrepreneurial skills.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">□ On Research and Publication<ol style="list-style-type: none">1. Book project involving translation of labor and industrial relations terms in Filipino aimed at popularizing such terms among labor leaders, researchers and students;2. Proposed research projects with TESDA on impact of technical vocational education on poverty and labor market outcomes;3. Proposed research projects with ILO on healthy lifestyle and productivity; and4. Proposed research project on best practices of cooperatives.□ On Advocacy and Networking – Conduct of national and international conferences and other venues for dialogue to promote the welfare of and enhance the solidarity among marginalized sectors and share expertise, knowledge and best practices among partners.

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

	<input type="checkbox"/> On Training – Development of training modules on best practices for cooperatives.
<i>Functions of the Unit</i>	<input type="checkbox"/> Research <input type="checkbox"/> Training/Continuing education <input type="checkbox"/> Extension/Outreach <input type="checkbox"/> Publication
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	School of Labor and Industrial Relations – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://solair.upd.edu.ph/about_solair.html  9818500 local 4078

SCHOOL OF LABOR AND INDUSTRIAL RELATIONS
CENTER FOR LABOR JUSTICE

<i>Date Established</i>	20 December 1996
<i>Mandate/Mission</i>	The Center for Labor Justice (CLJ) undertakes research and training programs in the areas of policy analysis in labor justice administration, raising workers' consciousness on labor rights and promotion of voluntary and peaceful modes of dispute settlement in accordance with the mandate of the Constitution.
<i>Flagship Programs and/or Major Activities</i>	<input type="checkbox"/> On Extension/Outreach <ol style="list-style-type: none">1. Lecture on <i>The Challenge of Green Restructuring in the Philippine Economy</i> by Dr. Rene E. Ofreneo, as part of the celebration of SOLAIR month;2. Forum on <i>IR/HR and Legal Implications of the New Wage Order WO-NCR 17</i> organized by the CLJ-SOLAIR and Philippine Society for Labor and Social Security System (PHILSI) – This forum

tackled the conceptual, legal, and practical implications of the country's system of setting minimum wages.

On Research

1. SWOT Workshop for Trade Union Leaders (a joint project of the CLJ-SOLAIR and ILO Manila) – In this national-level workshop for trade union leaders, the participants analyzed current national policies relating to freedom of association, collective bargaining, and social dialogue to determine how these affect the labor movement.
2. ILO/SOLAIR Trade Union Capacity SWOT Project (a joint project of the CLJ-SOLAIR and ILO Manila) – For this research undertaking, the CLJ will analyze and consolidate the survey and interview data from respondent organizations to determine trade union capacity to form associations, collectively bargain, and engage in meaningful social dialogue.

On Publication

2011 Special Issue of the *Philippine Journal of Labor and Industrial Relations* – The special issue is a compilation of papers and presentations at the 2011 Asian Social Security Conference.

Functions of the Unit

- Research
- Training/Continuing education
- Extension/Outreach
- Publication

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

School of Labor and Industrial Relations – Academic

Head of Unit's Position

Director

Contact Details

 http://solair.upd.edu.ph/about_solair.html
 9818500 local 4068



**COLLEGE OF LAW
UP LAW CENTER**

<i>Date Established</i>	1989
<i>Mandate/Mission</i>	The University of the Philippines Law Center (UPLC) performs the research and extension functions of the Law Complex (which includes the College of Law).
<i>Flagship Programs and/or Major Activities</i>	The Center carries out its research and extension functions through its four institutes, namely: <ul style="list-style-type: none">• Institute of Government and Law Reform• Institute of Human Rights• Institute of Judicial Administration• Institute of International Legal Studies
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/ Outreach• Publication• Training/ Continuing education• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Law – Academic
<i>Head of Unit's Position</i>	Dean
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 http://law.upd.edu.ph☎ 9205514 locals 100, 101, 102; 4349528; 9270518✉ uplawdean@gmail.com

COLLEGE OF LAW
UP LAW CENTER
**INSTITUTE FOR THE ADMINISTRATION
OF JUSTICE**

<i>Date Established</i>	1989
<i>Mandate/Mission</i>	The Institute for the Administration of Justice (IAJ) is a research and training center for the improvement of administration of justice. It is mandated to provide continuing legal education to members of the Bar, pursuant to Supreme Court Bar Matter No. 850. It is jointly supervised by the University of the Philippines and the Supreme Court.
<i>Flagship Programs and/or Major Activities</i>	<p>The IAJ has been developing and conducting training programs for members of the Bar and continues providing research assistance to the Supreme Court. It actively formulates and conducts Mandatory Continuing Legal Education programs (MCLE) for members of the Bar to hone their professional competence. It develops and conducts training programs on special areas of law on its own initiative or under special arrangements with other local and international organizations. It has also undertaken the following research and publication projects:</p> <ul style="list-style-type: none">• Primer for Barangay Officials on R.A. 9262 (Anti-VAWC Act) and the Barangay Protection Order• Guidebook for DOJ Prosecutors on the Investigation and Prosecution of Human Rights Cases• Consultation/Research on Proposed Rules on hearing and Adjudicating Disputes with Justice Roberto A. Abad of the Supreme Court of the Philippines
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/ Outreach• Training/ Continuing education• Publication

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Home Institution 1 and Nature of Home Institution</i>	UP Law Center – Research/Extension
<i>Home Institution 2 and Nature of Home Institution</i>	College of Law – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	http://law.upd.edu.ph/ 9205514 locals 208, 209, 229; 9297137 ija.zsantonio@gmail.com

COLLEGE OF LAW
UP LAW CENTER
**INSTITUTE OF GOVERNMENT
AND LAW REFORM**

<i>Date Established</i>	1989
<i>Mandate/Mission</i>	<ul style="list-style-type: none">• To discharge the functions of the defunct Code Commission;• To undertake technical studies and researches in law, particularly on projects for reform in the judiciary, public administration, civil rights protection, international relations, and law enforcement; and• To continue projects of popularizing the law by establishing linkages with other institutions for the teaching of elementary knowledge in law and by translating legal materials into Filipino and other major dialects of the Philippines.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Codification of laws• Review of and comments on pending legislation• Studies and researches as bases for law reform• Opinions and consultations• Conferences, lectures, seminar-workshops and extension services• Publication program• Philippine Law and Society Review (PLSR)

	<ul style="list-style-type: none">• Assessment of the implementation of RA 9344• Other reports – the Institute drafted reports on the following Code commissioned projects: Labor Code, Family Code, and Election Code
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/ Outreach• Publication• Training/ Continuing education• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	UP Law Center – Research/Extension
<i>Home Institution 2 and Nature of Home Institution</i>	College of Law – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://iglr.uplc.upd.edu.ph  9205514 locals 202, 203; 9270368

COLLEGE OF LAW
UP LAW CENTER
INSTITUTE OF HUMAN RIGHTS

<i>Date Established</i>	1989
<i>Mandate/Mission</i>	<ul style="list-style-type: none">• To stimulate research and publication in specialized fields of human rights;• To play a key role in the development of comprehensive human rights policy in the Philippines that will address the exigencies of human rights protection and promotion;• To expand the UP Law Complex's database on human rights through its computerization and acquisition of various materials on human rights;• To play a significant role in the development, promotion and protection of human rights in the Southeast Asian region;• To take an active part in international networking for the promotion of human rights; and

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

- To institutionalize student participation in the progress of the institute as a means of enhancing their skills and instilling in them the value of promoting the public interest relevant and responsive research, publication, training and other services.
- Flagship Programs and/or Major Activities*
- Advancing the Rights of the Girl-Child in Elementary and Secondary Education: A Review of Laws, Policies and Interventions
 - Embedded Exclusions: RH Restrictions as Gender Discrimination
 - Slip Through the Cracks: Interrogating LGBT Rights in Legal and Protective Measures Addressing Gender-based Violence and Discrimination
 - A Discourse Analysis of CBCP Pastoral Letters from 1960's to 1970's
 - Handbook on Lawyering for Women, Children, Indigenous Peoples, and the Poor: Promoting Rights-based Lawyering for Lawyers and Paralegals
 - Revisiting the Philippine Comprehensive Agrarian Reform Program (Lessons from Experience and Policy Recommendations towards a Rights-based Approach to Agrarian Reform)
 - Rights-based Policing: Idealizing Human Rights in Law Enforcement in the Philippines
 - Lex Pacificatoria: A Legal Framework for Building a Real and Lasting Peace in the Philippines
 - Access to Justice of Persons with Disabilities
 - Political Offenses and the Accommodation of Political Prisoners in the Philippines
- Functions of the Unit*
- Research
 - Extension/ Outreach
 - Publication
 - Training/ Continuing education
 - Academic – non-degree granting
- Home Institution 1 and Nature of Home Institution*
- UP Law Center – Research/Extension

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

Home Institution 2 and Nature of Home Institution College of Law – Academic
Head of Unit's Position Director
Contact Details <http://law.upd.edu.ph/>
☎ 9205514 locals 204, 205; 9255854
✉ ihr.claw@gmail.com

COLLEGE OF LAW
UP LAW CENTER
INSTITUTE OF INTERNATIONAL LEGAL STUDIES

Date Established 1989
Mandate/Mission The Institute of International Legal Studies (IILS) was established to undertake research and extension functions in international law, comparative law, and international relations, specifically in areas that affect Philippine interests in the global arena.
Flagship Programs and/or Major Activities To fulfill its mandate, the IILS identifies the major issues affecting Philippine foreign policy and foreign relations, and organizes and supports research and extension activities in these areas towards building capacity and expertise. The IILS is also a base for Filipino scholars to contribute solutions to regional and global problems affecting the Philippines.
Currently, the IILS is undertaking research and extension activities in the fields of International Trade and Economic Law, ASEAN, International Comparative Law, Law of the Sea, Territorial Studies, International Humanitarian Law, Private and Transactional International Law and International Environment Law. It also receives requests for opinions and other forms of legal assistance from Congress, the Supreme Court, and various government agencies. To this end, the IILS maintains institutional linkages with both national and international organizations involved in international law issues.



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/ Outreach• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	UP Law Center – Research/Extension
<i>Home Institution 2 and Nature of Home Institution</i>	College of Law – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	http://law.upd.edu.ph/ 9205514 locals 206, 207 or 230; 9293654

COLLEGE OF MASS COMMUNICATION
**OFFICE OF EXTENSION AND
EXTERNAL RELATIONS**

<i>Date Established</i>	September 2003 The former Office of Extension, Research, and Publications (OERP) was reorganized into the Office of Extension and External Relations (OEER) and the Office of Research and Publication (ORP) after being approved in the College of Mass Communication (CMC) Faculty Assembly in September 2003.
<i>Mandate/Mission</i>	The Office of Extension and External Relations (OEER) seeks to fulfill the UP CMC's mission "to develop and strengthen linkages with different sectors and institutions for information and media literacy, and people empowerment"; and "to provide the critical voice that promotes and safeguards the freedom, independence and responsibility of media." The objectives and goals of the OEER are the following: <ul style="list-style-type: none">• To design and implement a media education campaign with the end view of increasing media literacy and awareness among identified

	target audiences (e.g., basic education teachers).
	<ul style="list-style-type: none">• To lead the CMC in taking a stand on media-related issues and concerns in order to help shape public opinion.• To recognize and promote outstanding achievements in media work which embody the UP CMC's Vision, Mission, and Goals.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Oversees the program for media literacy education. This program includes seminars and workshops for basic education teachers, community workers and NGOs, and other groups.• Takes charge of drafting and disseminating statements on important media-related issues. In this way, the OEER makes public the ideals for which the CMC stands.• Manages the annual <i>UP Gawad Plaridel</i>, which recognizes media workers whose integrity and excellence in their work provide models for other media workers and students to emulate.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/Outreach• Training/Continuing education• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Mass Communication – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 http://masscomm.upd.edu.ph/office-extension-and-external-relations☎ 9818500 local 2668✉ upcmc_orp.oeer@yahoo.com

COLLEGE OF MASS COMMUNICATION UP FILM INSTITUTE



<i>Date Established</i>	March 2003
<i>Mandate/Mission</i>	<p>The UP Film Institute (UPFI) is the only internationally-accredited academic institution in the country offering film courses for both undergraduate and master's degrees. The UPFI's academic programs aim to contribute to the development of genuinely Filipino national cinema by producing graduates with a well-rounded liberal arts education as well as creative and technical skills and a keen sense of social responsibility. The Institute seeks to instill increased professionalization in Philippine film practice and upgrade local film scholarship.</p>
<i>Flagship Programs and/or Major Activities</i>	<p>The UPFI is the only institution that offers a degree of BA Film. In addition, in cooperation with the other departments of the CMC. The UPFI offers the MA Media Studies-Film program. In addition, the UPFI offers the MA Media Studies-Film program in cooperation with the other departments of the CMC.</p> <p>Under its Extension Program, the UPFI conducts regular workshops, seminars, exhibits and other film-related events and activities under the university's mandate to promote film literacy and appreciation in the country and as a supplement to institute's academic and research thrusts.</p> <p>The UPFI also operates the Cine Adarna, an 800-seat university cinema that screens quality films free from censorship and programmed for purposes of varied studies and broadened appreciation of cinematic arts. The cinema is also a regular venue for various international film programs designed by different embassies and other cultural institutions.</p>
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic• Research• Creative work• Extension/Outreach• Consultancy• Publication

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Mass Communication – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	http://filminstitute.upd.edu.ph/ 9262722 local 4589 upfi.director@gmail.com

COLLEGE OF MUSIC UP COLLEGE OF MUSIC EXTENSION PROGRAM

<i>Date Established</i>	1967 – Launching of the Special Training Program in Music Education for public school music teachers 1968 – Launching of Music Program for Children 1978 – The Extension Program diversified into three areas: 1) Comprehensive Preparatory Music Program for Children, 2) Continuing Education for Music Teachers, and 3) Band Program
<i>Mandate/Mission</i>	The UP College of Music Extension Program (UP-CMEP) is a non-degree program of study that offers a set of music courses with the goal of providing a comprehensive musicianship program for youth, adults, musicians and music educators who are not officially enrolled in the College of Music degree offerings.
<i>Flagship Programs and/or Major Activities</i>	The program promotes musicianship through teaching how to play a number of music instruments (e.g., piano, violin, voice, rondalla instruments, wind and percussion) and other music related areas of concentration (e.g., choral conducting, solfege, music theory, song writing, and vocal arranging). The UP-CMEP is offered three times in a school year (i.e., first semester, second semester, and summer term). It is open to adults and/or children, depending on the nature of the program that students wish to go into.

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

Contingent on the nature of the course offering, classes are either conducted under a “one-on-one” learning environment, in cluster (i.e. groups of four), or in a classroom type of setting.

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/Outreach• Training/Continuing education
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Music – Academic
<i>Head of Unit’s Position</i>	Coordinator
<i>Contact Details</i>	 http://music.upd.edu.ph  9296963

NATIONAL COLLEGE OF PUBLIC ADMINISTRATION
AND GOVERNANCE
**CENTER FOR LEADERSHIP, CITIZENSHIP
AND DEMOCRACY**

<i>Date Established</i>	The UP Board of Regents established the Leadership, Citizenship and Democracy Program (LCDP) on 25 June 1992 through the initiative of former UP President Jose V. Abueva. In November 1998, the UP BOR transformed the LCDP into the Center for Leadership, Citizenship and Democracy (CLCD).
<i>Mandate/Mission</i>	The CLCD undertakes research, training, and consultancy on the issues, problems, and processes of leadership and citizenship. Its efforts are guided by the vision of a society that is striving to be peaceful, democratic, just, and humane. It grants leadership and research fellowships, organizes public lectures, and publishes books resulting from the lectures and other studies. The CLCD has been undertaking its research, training and consultancy programs

along the following priority areas: Leadership, Citizenship, Civil Society, Capability-building for non-government, non-profit, voluntary, and people's organizations, Filipino Democracy and Institutions, among others.

Flagship Programs and/or Major Activities

- Leadership – Interdisciplinary studies on the role and practice of leadership in government and other spheres; assistance to Filipino leaders in various fields to write their memoirs and to give public lectures on their experiences and reflections
- Citizenship – The roles, rights and responsibilities of citizens vis-à-vis the State and political sector, the market and civil society; education and training for responsible and effective citizenship in a democracy
- Capability-building for non-government, non-profit, voluntary, and people's organizations – the philosophy, management, and activities of these organizations and their relations with the State, business institutions, and communities
- Filipino Democracy and Institutions – Monitoring and assessment of the performance of Filipino democracy and its institutions
- Sponsorship and organization of public lectures on the Philippine Presidency and Administration

Functions of the Unit

- Research
- Publication
- Training/ Continuing education
- Consultancy

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

National College of Public Administration and Governance – Academic

Head of Unit's Position

Director

Contact Details

 <http://www.up-ncpag.org/centers/clcd.php>
 9205362; 9254109

NATIONAL COLLEGE OF PUBLIC ADMINISTRATION
AND GOVERNANCE
**CENTER FOR LOCAL AND REGIONAL
GOVERNANCE**

<i>Date Established</i>	1965
<i>Mandate/Mission</i>	The Center for Local and Regional Governance (CLRG) has been at the forefront of research, consulting services and facilitated learning on local autonomy and devolution in the country since 1965. Emerging from the Local Government Center (LGC) created through Republic Act 4223, CLRG has expanded its scope to include regional governance and urban and metropolitan management. It collaborates with local and international institutions in promoting decentralization and publishing materials for the benefit of local government and regional units.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Devolution and Local Autonomy<ol style="list-style-type: none">1. Monitoring state of devolution in the country2. Assistance to local government units (LGUs) on reorganization and decentralized management systems3. Publication of research on decentralization• Organization Development and Human Resource Management (HRM) for LGUs<ol style="list-style-type: none">1. Technical assistance to LGUs on improving organizational structure, systems and processes and human resource development and management2. Publication of handbooks and manuals• Regionalization and Urban and Metropolitan Management<ol style="list-style-type: none">1. Research and training in regional, urban and metropolitan issues and concerns2. LGU-NGO and Intergovernmental Collaboration

3. Research and facilitated training on the dynamics of government-civil society-private sector cooperation and intergovernmental collaboration
- Local Resource Management – Technical assistance on local revenue generation and administration and publication of books and manuals
 - Monitoring and Database Management
 1. Tracking local government performance and related events and publication of relevant data
 2. Research and extension activities on: Effective Leadership, Environmental Management, Population Development and Management, Area-based Planning, and Local Legislation.

Functions of the Unit

- Research
- Training/ Continuing education
- Extension/Outreach
- Consultancy
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

National College of Public Administration and Governance – Academic

Head of Unit's Position

Director

Contact Details

 <http://www.up-ncpag.org/centers/clrg.php>
 9818500 local 4427; 9283914; 9257422

NATIONAL COLLEGE OF PUBLIC ADMINISTRATION
AND GOVERNANCE
**CENTER FOR POLICY AND EXECUTIVE
DEVELOPMENT**

<i>Date Established</i>	The Center was organized in 1968 as the Administrative Development Program and transformed into the Administrative Development Center in January 1977 and the Center for Policy and Administrative Development (CPAD) on 31 July 1986. The CPAD became the CPED on 26 November 1998.
<i>Mandate/Mission</i>	The Center for Policy and Executive Development (CPED) is a policy think tank, research and consulting arm of NCPAG. CPED has been extensively involved in capacity development initiatives and institution building programs in the country as well as among developing countries in the region.
<i>Flagship Programs and/or Major Activities</i>	<p>The Center provides public institutions, non-government organizations, public corporations, and other local institutions and international organizations with the necessary professional expertise in dealing with issues of public policy, executive and administrative development, and governance. CPED has designed and implemented training courses as well as developed instructional materials for national and local governments, non-government organizations and international government agencies. It provides research, training, and consultancy services to national and international government agencies, public enterprises, and other local and international organizations. It is the resource center on corporate governance, aid management, public policy studies and reform, and public finance.</p> <p>CPED's recent consultancy efforts include the Executive Course on Strategic Planning and Management of an Effective Corruption Prevention Program, Policy Analysis Course for Senior Officials and Technical Staff of the Department of</p>

Interior and Local Government (DILG), Aid Management Training Program for Government Officers of Papua New Guinea; Traffic Forecasting Study for the NLEX-SLEX Connector Road Project, and Capacity Building on Philippine Public Administration for AusAID-Manila Staff.

Functions of the Unit

- Research
- Consultancy
- Extension/Outreach
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

National College of Public Administration and Governance – Academic

Head of Unit's Position

Director

Contact Details

<http://www.up-ncpag.org/centers/cped.php>
9818500 local 4162; 9254030; 9201353

COLLEGE OF SCIENCE
**COMPUTATIONAL SCIENCE RESEARCH
CENTER**



Date Established

The Computational Science Research Center (CSRC) originated from the Research Computer System (RCS) Project of the College of Science at the University of the Philippines Diliman in 1992 under the Engineering and Science Education Project of the Department of Science and Technology (ESEP-DOST) and World Bank.

Mandate/Mission

The CSRC aims to be the core for high performance scientific computing at the University of the Philippines and the country as a whole. The Center is located close to the country's hub for higher learning and research institutions to facilitate a straightforward collaboration of interdisciplinary researchers who

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

venture into computing-related research activities leading to scientific and engineering breakthroughs.

The CSRC's primary goal is to provide computing support to researchers and graduate students who are engaged in information systems development, algebraic computations for modeling and simulations. The CSRC facilities are also available for use by researchers and students of other universities, as well as those in other government units and the industry.

Flagship Programs and/or Major Activities

- Serves as the Registration Center of College of Science
- Provides internet to the College of Science and individual units, including Web hosting/ webmail, Wireless internet maintenance, and Technical support
- Maintains the College of Science website
- Provides high performance computing
- Undertakes software management
- Provides computer laboratories, training programs and workshop or conference venue
- Provides computer support to College of Science Library

Functions of the Unit

- Research
- Training/Continuing education
- Consultancy
- Academic – non-degree granting
- Administrative

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Coordinator

Contact Details

🌐 <http://www.csrc.upd.edu.ph>
☎ 9818500 local 4466 to 67; 4263328; 4263329

COLLEGE OF SCIENCE
INSTITUTE OF BIOLOGY



Date Established 1986

Mandate/Mission

The Institute of Biology (IB) was established in 1986 when the former Departments of Botany and Zoology merged.

In 2006 and 1998, the Institute was declared by the Commission on Higher Education a Center of Excellence in Biology, particularly in the field of Biodiversity.

Flagship Programs and/or Major Activities

The IB provides quality education in the biological sciences at the tertiary and graduate levels, offering degrees of Bachelor of Science (BS) in Biology, Diploma in Biology, Master of Science (MS) in Biology, MS in Microbiology and Doctor of Philosophy (PhD) in Biology. Complementing IB's excellence in teaching are its research activities that center on the many phases of biodiversity and conservation. The Institute is also active in extension-work, regularly conducting seminars and training workshops on biological concepts for secondary and tertiary educators. It also maintains collaborations with government agencies and national and international academic institutions.

There are six Academic/Research Groups in the Institute of Biology – these are (1) Cell and Molecular Biology, (2) Developmental Biology, (3) Ecology and Taxonomy, (4) Genetics, (5) Microbiology, and (6) Physiology. Members of each academic/research group conduct researches in the following areas:

- Genetic diversity of Philippine biodiversity

Goal: To establish a genetic reference library of Philippine biodiversity focusing on endemic and/or threatened species.

Areas of Research: Current research includes DNA barcoding (DNA-Barcoding Of

Life-Philippine Network, DOLPHIN) and molecular phylogenetics of endemic and/or threatened flora and fauna to establish identity and evolutionary relationships; understanding the genetic structure of freshwater fishes and shallow-water reef fishes across a gradient of sites managed for biodiversity and fishery conservation; genetic diversity of the Philippine Eagle and other animals.

- Biodiversity conservation of tropical flora and fauna

Goal: To document the diversity of terrestrial and freshwater organisms in the Philippines, to understand the dynamic interactions of organisms in their critically endangered habitats, and to explore the potential of plants especially endemic ones to be propagated through callus formation.

Areas of research: Current research studies on tropical forest succession and restoration strategies; investigations of ecological impacts of geothermal power plants on wild flora and fauna; studies on impact of invasive and exotic species on freshwater ecosystems; callus formation from endemic plants as a means of propagation to help conserve biodiversity.

- Ecosystems 100

Goal: To monitor whether tropical biodiversity is being conserved spatially and temporally by establishing at least a hundred sites across the Philippines to include terrestrial, freshwater, coastal and marine ecosystems using minimum parameters to allow for comparison of sites across space and time.

Areas of research: Current research includes establishment of 2-ha forest dynamics plots, evaluation and assessment of past and current researches on these ecosystems. These activities involve working with other institutions while using the researches as mentoring programs.

- Medical microbiology

Goal: To understand the manifestations of pathogenic tropical micro-organisms on public health.

Areas of research: Current research includes development of molecular diagnostic tools for the accurate detection of protozoan parasites in humans; microbial risk assessment of agricultural waters and produce from the Philippines; and, prevalence and profiling of pathogenic bacteria in meat products.

- Non-conventional utilization of native plant species

Goal: To examine the potential yet non-conventional uses of native plants.

Areas of research: Current research includes the screening of native plants capable of producing pharmacologically active natural products; the use of aquatic plants as phytoremediators of polluted freshwater bodies; production of medically pertinent natural products from calli derived from different parts of the plants.

- Biology of cultured fish

Goal: To understand the physiology, genetics, and immunology of cultured fish.

Areas of research: Current research includes seasonal cycles of fish reproduction; the use of fish scale morphology and differences in body shape to determine phenotypic variations; investigations on innate immunity to develop oral vaccines in cultured fish; understanding genetics of milkfish and other cultured fish to enhance their productivity in the face of changing climate conditions.

Functions of the Unit

- Research
- Extension/Outreach
- Academic – degree granting

<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	<p>☎ http://biology.upd.edu.ph/ ☎ 9818500 local 3727 or 3728; 9818722; 9205471</p>

**COLLEGE OF SCIENCE
INSTITUTE OF CHEMISTRY**



<i>Date Established</i>	1910 – Department of Chemistry 1987 – Institute of Chemistry
<i>Mandate/Mission</i>	The Institute of Chemistry (IC) is one of six degree-granting units of the UP College of Science and is designated by the Commission on Higher Education (CHED) as a center of excellence in chemistry. The Institute is recognized as a leading institution of learning and research in chemistry in the country. The Institute of Chemistry is mandated to serve the national demand for excellence in higher education, research and extension services in chemistry.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none"> • Academic programs <ol style="list-style-type: none"> 1. The Bachelor of Science in Chemistry is a four-year course that provides the students with a strong background in the classical areas of chemistry: biochemistry, analytical, inorganic, organic, and physical chemistry. 2. The Diploma in Chemistry is a one-year course for students with a bachelor's degree with at least 20 units of college chemistry to enable them to teach college chemistry or pursue graduate studies in chemistry.

3. The Master of Science in Chemistry provides a comprehensive view of major fields of interest and develops the student's ability to conduct independent research. There are two tracks in the M.S. Chemistry program: the thesis and non-thesis options.
 4. The Master of Science in Chemical Education is a non-thesis program for those who wish to specialize in Chemical Education. The curriculum includes graduate chemistry courses and education courses.
 5. The Doctor of Philosophy (Ph. D.) in Chemistry requires 24 units of graduate courses after the M.S. degree or 45 units of graduate courses after the B.S. degree, preliminary examinations, a candidacy examination, participation in a colloquium, and a doctoral dissertation
- Research Programs

The Institute, as a Center of Excellence in chemistry and chemical education, embarks on research programs which will advance the frontier of knowledge and address the country's scientific and technological problems.

The IC aims for excellence in the following core research areas:

1. Analytical Chemistry and Environmental Chemistry

Goal: To develop chemical sensors for various applications and analytical methods for the determination of chemical contaminants and environmental pollutants.

Areas of research: Methods Development and Separation Science, Bioanalytical and Electrochemistry, Chemical Instrumentation, Development of Biosensors, Environmental Remediation

Current research programs include fabrication of sensors using electropolymerized molecularly-imprinted polymers and nanomaterials for the determination of chemical contaminants. Extensive studies are also directed towards method development for the analysis of organic pollutants in different matrices and methods for environmental remediation and workplace safety. State-of-the-art analytical chemistry methodologies are also developed to contribute to the solution of important clinical and environmental problems.

2. Organic Chemistry and Biochemistry

Goal: To understand the structure, properties and reactivity of natural and synthetic organic products to be utilized in diverse industrial and research applications.

Areas of research: Natural Products Chemistry, Organic Synthesis and Analysis, Polymer Chemistry, NMR Spectroscopic Methods and Biological Mass Spectrometry, Toxicology and Biosafety

Current extensive research programs include isolation and structure elucidation of bioactive natural compounds. Novel organic synthetic methods, including research in alternative green chemistry processes and polymer chemistry, are also developed with applications for environmental, drugs/ drug-delivery systems and energy industries. Syntheses of synthetic polymer or polymer-biomolecular hybrids will be undertaken for applications in cancer-/disease- diagnosis and treatment, microbiology and neuroscience research.

3. Physical Chemistry

Goal: To develop a fundamental understanding at the molecular and atomic

level of various chemical phenomena and the behavior of materials.

Areas of research: Theoretical and Computational chemistry, Materials Analysis, Chemical Kinetics, Catalysis, Spectroscopy and Dynamics

The IC researchers study a wide range of problems in theoretical, experimental and materials chemistry. They work closely with scientists from other disciplines to address issues such as environmental pollution, alternative energy sources and greener processes. For experimental research, the IC faculty is studying nanomaterials and chemical processes occurring on the surface or interfaces of materials. Future plans include development of high-resolution laser and optical based probes to study various surface chemical phenomena. Theoretical research studies include structure and dynamics of hydration of gases, relationships between electronic structure and chemical behavior, and biophysical phenomena.

4. Inorganic Chemistry and Materials Chemistry

Goal: To develop synthetic strategies for fabrication of inorganic materials or composites for various applications.

Areas of research: Bioinorganic chemistry, Inorganic Materials Synthesis, Nanomaterials, Photocatalysis

In nanotechnology research, IC researchers are making new types of thin films and polymer-nanomaterial composites for use in the semiconductor/microelectronics, sensors, catalysis, and separation industries. Researchers are also doing syntheses and characterization of crystalline solid materials with novel structure or tunable electronic, optical and superconducting

properties; examples include organic-inorganic hybrids and intermetallics. For biomedical applications, the IC faculty are designing synthetic strategies for molecular probes, such as polyheterometallic lanthanide chelates, as tools for *in vitro* assays and as contrast agents for multi-modal (MRI/optical) imaging systems. For bioinorganic research, future research plans will include delving deeper into the functions of metal complexes in biological systems to obtain new understanding of diseases and the design of innovative cures or treatments.

5. Chemical Education

Goal: To develop innovative teaching strategies which directly improve or enhance current chemical education.

Areas of research: Active learning and use of technology in education. Integration of chemistry with other science and allied fields

The Institute regularly reviews the chemistry courses it offers in order to improve them and make more effective and attuned to current technological advances.

- Extension Services

The Institute is a key player in the advancement of chemistry in the Philippines through extension services and programs consistent with the national development agenda. It participates actively in responding to our nation's needs for development and to national or international issues and concerns. It continues to support chemistry curricular upgrading of schools in the provinces and support training programs for chemistry teachers in the provinces. It continues to increase awareness of the potential areas of application of chemistry in societal issues through workshops and seminars.

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/Outreach• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://www.science.upd.edu.ph/chem/  9818500 local 3652

COLLEGE OF SCIENCE
INSTITUTE OF CHEMISTRY
**ADVANCED NANOMATERIALS,
SENSOR AND ENVIRONMENTAL
RESEARCH LABORATORY**

<i>Date Established</i>	11 December 2012
<i>Mandate/Mission</i>	The ANSER Laboratory is a state-of-the-art research facility for nanomaterials synthesis, surface analysis, thin films, polymers and sensor development.
<i>Flagship Programs and/or Major Activities</i>	<p>The Laboratory supports primarily the Institute of Chemistry's ANSER program which caters to research projects that deal with some of today's most popular interests in science and engineering such as advanced sensors research, biomedical and drug delivery research and environmental and engineering materials research.</p> <p>This Laboratory extends its support to researchers of the Institute of Chemistry (IC), researchers of other UP units and other universities, government agencies and private</p>



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

industries, through research collaborations, contract research or service, training workshops and technical expertise consultancies.

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting• Research• Extension / Outreach
<i>Home institution 1 and Nature of Home Institution</i>	Institute of Chemistry – Academic
<i>Home institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Laboratory Manager
<i>Contact Details</i>	☎ 9818500 loc 3667; 9205427; 9205427

COLLEGE OF SCIENCE
INSTITUTE OF CHEMISTRY
ANALYTICAL SERVICES LABORATORY

<i>Date Established</i>	1985
<i>Mandate/Mission</i>	The Analytical Services Laboratory (ASL) is primarily a teaching and instructional laboratory of the Institute of Chemistry (IC). The ASL also extends its support to the university's vibrant research community and provides quality analytical services to the government sector and various private industries.
<i>Flagship Programs and/or Major Activities</i>	The ASL houses and maintains the major laboratory equipment of the IChem and most of these are used for the Institute of Chemistry's (IC) chemical instrumentation courses and other chemistry courses where instrumentation is a requirement. With this facility, the IC aims to provide the best training ground for our future chemists.

Equipment resources at the ASL may be requested for use by researchers of the IC and other UP units, subject to schedule availability and with corresponding minimum user fee.

In 2009, the ASL was granted ISO/IEC 17025 accreditation by the Philippine Accreditation Office, Dept. of Trade and Industry. The accreditation is a formal recognition by the International Organization for Standardization (ISO) of the laboratory's competence in the field of chemical testing.

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension / Outreach• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Institute of Chemistry – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Laboratory Manager
<i>Contact Details</i>	 asl.chem@up.edu.ph  9818500 local 3667; 9205432

COLLEGE OF SCIENCE
**INSTITUTE OF ENVIRONMENTAL SCIENCE
AND METEOROLOGY**

<i>Date Established</i>	27 March 2003
<i>Mandate/Mission</i>	The Board of Regents of the University of the Philippines (UP) approved the creation of the Institute of Environmental Science and Meteorology (IESM) in 2003 as an academic unit of the College of Science of UP Diliman, merging the erstwhile Environmental Science Program (ESP) and the Department of Meteorology and Oceanography (DMO).



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

The Institute is envisioned to serve as a center of excellence in the environmental and atmospheric sciences in Asia-Pacific, investigating natural phenomena (including human interactions with nature), contributing to major decisions towards sustainable development in the country and the region.

<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Aquatic Ecology• Biogeography• Marine Mammal• Earth Surface Material• Hydrology• Atmospheric Science and Air Quality• Meteorology
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://www.iesm.upd.edu.ph  9818500 local 3941, 3942, 3943

COLLEGE OF SCIENCE INSTITUTE OF MATHEMATICS

<i>Date Established</i>	1910 – the Department of Mathematics was established as one of the first independent units in the College of Liberal Arts 1983 – the Department of Mathematics was part of the initial units of the College of Science after the split of the former College of Arts and Sciences 22 August 2007 – the Board of Regents during its 1223 rd meeting approved the transformation of
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	<p>the Department of Mathematics into the Institute of Mathematics (I-Math)</p>
<i>Mandate/Mission</i>	<p>I-Math is the leading institution for mathematics research and education in the Philippines. Since 1998, it has been designated by the Commission on Higher Education (CHED) as a Center of Excellence.</p> <p>The Institute aims to be a regional center of excellence for the production, transmission and application of knowledge in mathematics. Its members are active and highly-regarded participants in the global community of mathematicians and mathematics educators.</p> <p>As an academic sub-unit of the College of Science, the Institute pursues outstanding research, provides high quality instruction in pure and applied mathematics, and offers extension services in support of scientific and technological development. The faculty's research supports the theoretical development of the mathematical sciences and promotes the interdisciplinary use of mathematics in the natural sciences, engineering and other fields. As an academic organization, it upholds the values of academic freedom, high academic standards, academic integrity, and professional ethics in all its undertakings.</p>
<i>Flagship Programs and/or Major Activities</i>	<p>The Institute offers the BS Mathematics program and also grants the following graduate degrees: post-baccalaureate Diploma in Mathematics, MA Mathematics, Professional Master's in Applied Mathematics (Actuarial Science), MS Applied Mathematics (with four tracks, namely: Optimization and Approximation, Mathematics in the Life and Physical Sciences, Analysis of Differential Equations, and Mathematics of Finance), MS Mathematics, and PhD Mathematics. The Institute also offers general education and service courses in mathematics, and teaches all undergraduate and graduate courses in mathematics.</p> <p>I-Math undertakes advanced research in pure and applied mathematics and disseminates its results</p>

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

in high-quality journals and other reputable peer-reviewed publications. The research programs of the Institute are carried out through six academic groups:

- Algebra and Combinatorics
- Coding and Number Theory
- Differential Equations and Mathematical Modeling
- Optimization and Approximation
- Mathematical Finance and Actuarial Science
- Geometry

On top of its research and instructional programs, the Institute undertakes various activities such as:

- Various mathematics-related extension services geared towards the attainment of quality mathematics education and development of science and technology in the country
- Advanced level textbook writing
- Module-writing and instructional materials development for service and general education courses
- Coordination and implementation of Erasmus Mundus Mobility with Asia (EMMA) project
- Implementation of Taiwan-Philippine partnership and other international collaboration programs (with France, Austria, Japan, etc.)

Functions of the Unit

- Academic-degree granting
- Research
- Extension/Outreach
- Training/Continuing education
- Consultancy
- Publication

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Director

Contact Details

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✉ imath.director@gmail.com

COLLEGE OF SCIENCE
MARINE SCIENCE INSTITUTE



<i>Date Established</i>	<p>28 March 1974 – Marine Science Center 23 April 1985 – Marine Science Institute 15 December 1994 – declared National Center of Excellence in the Marine Sciences by Presidential Proclamation No. 518 1996 – declared Center of Excellence for Marine Sciences by the Commission on Higher Education</p>
<i>Mandate/Mission</i>	<p>The vision of the Marine Science Institute (MSI) is to be the regional center of excellence in tropical marine science. In relation to this, the Institute seeks to fulfill the following objectives:</p> <ul style="list-style-type: none">• To generate basic information necessary for optimal and sustained utilization, management, and conservation of the marine environment and its resources;• To provide graduate level training and extension services to develop manpower requirements in the marine sciences; and• To develop appropriate and environmentally sound marine-based technologies for industrial and economic development.
<i>Flagship Programs and/or Major Activities</i>	<p>The MSI is tasked to pursue research, teaching, and extension work in marine biology, marine chemistry, physical oceanography, marine geology, and related disciplines. Research and post-graduate education is the primary function of the Institute. The areas of research at MSI can be broadly categorized into three main academic groups:</p> <ul style="list-style-type: none">• marine physical sciences (physical, chemical, geological oceanography);• marine biology (marine plants, marine invertebrates, marine microorganisms); and• marine biotechnology (marine natural products, molecular biology, genetics, toxinology). <p>The Institute offers MSc and PhD degrees in Marine Science with specialization in Marine Biology, Marine Physical Science, and Marine</p>

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

Biotechnology. In addition, various capability building and extension activities for educators, local and national policy makers, and other sectors are conducted in conjunction with research projects.

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/ Continuing Education• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://www.msi.upd.edu.ph  09204302611

COLLEGE OF SCIENCE
MARINE SCIENCE INSTITUTE
BOLINAO MARINE LABORATORY

<i>Date Established</i>	1986
<i>Mandate/Mission</i>	<p>The Bolinao Marine Laboratory (BML) is a major facility of the Marine Science Institute (MSI). It is the hub of many pioneering national and international programs particularly in the field of seaweed and invertebrate biology and culture, restoration ecology, harmful algal blooms and coastal oceanography.</p> <p>The BML supports not only the MSI but also other UP units, as well as researchers and students from various local and foreign institutions. There is also a growing demand for training and capability building activities that MSI can best respond to through the institutionalization of key research, training and extension programs at BML.</p>

In support of the mandates of the MSI, the BML serves as:

- research base for scientific activities of the senior staff, local and foreign visiting scientists, and graduate students;
- venue for various short-term training courses for students, resource managers, and researchers;
- the focal point for extension and development work related to coastal resources management programs with local government units and coastal stakeholders; and
- an educational exhibit center for research activities on marine science.

Flagship Programs and/or Major Activities

The main research areas and training activities based at the BML include:

- Culture of marine invertebrates/seaweeds
- Resource and habitat restoration
- Coastal resources assessment and management
- Marine microbiology
- Sustainable mariculture

The Laboratory also offers science education and public awareness activities, which include: BML visitor program, educational field trips and short training for high school and college students, research apprenticeships/interns for local and foreign research, and high school and college teacher short-term training programs in marine sciences.

Functions of the Unit

- Research
- Training/ Continuing Education
- Academic – non-degree granting

Home Institution and

Marine Science Institute – Academic / Research

Nature of Home Institution

Home Institution 2 and

College of Science – Academic

Nature of Home Institution

Head of Unit's Position

Deputy Director

Contact Details

 <http://www.msi.upd.edu.ph/bml/>
 09204302611

COLLEGE OF SCIENCE
 MARINE SCIENCE INSTITUTE
**TECHNOLOGY INCUBATION CORE FACILITIES –
 BIOPHYSICOCHEMICAL FACILITY**

<i>Date Established</i>	2008
<i>Mandate/Mission</i>	The Technology Incubation Core Facilities (TICF) provides key equipment and services needed to support ongoing, funded projects in the National Science Complex (NSC). It is envisioned to become instrumental in university technology commercialization. It aims to provide high quality technical support for R&D in the following forms: use of equipment, analytical and testing services, methods development and optimization, consultancy services. The TICF was also established to show the importance and relevance of academic research to Philippine society. It provides a link between the academe and its industry partners such as S&T-based startup companies, entrepreneurs and SMEs (small and medium sized enterprises) by providing services that help these partners improve their own products and services.
<i>Flagship Programs and/or Major Activities</i>	The Biophysicochemical TICF supports services for protein and peptide research. The TICF provides equipment and services for the isolation, characterization, design and pilot scale production of various natural and recombinant proteins and peptides. It also provides services for the isolation, characterization, modification, bioassay and pilot scale production of extracts from marine organisms, terrestrial plants and animals, and microorganisms.
<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Research and Development • Extension / Outreach Services • Consultancy
<i>Home Institution and Nature of Home Institution</i>	Marine Science Institute – Academic/ Research

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

*Home Institution 2 and
Nature of Home Institution*

College of Science – Academic

Head of Unit's Position

TICF Coordinator

Contact Details

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**COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF GEOLOGICAL
SCIENCES**



Date Established

19__ Department of Geology and Geography

1983 – National Institute of Geological Sciences

Mandate/Mission

The National Institute of Geological Sciences (NIGS) is a national center of excellence for the advancement, dissemination and application of geology through teaching, research and extension services.

*Flagship Programs and/or
Major Activities*

Pursuant to its mandate, NIGS offers an undergraduate program for basic geology and graduate programs that currently focus on energy-resource exploration, and environmental assessment and management. Basic and applied researches regarding local and global geologic issues are its key thrusts. Fields of geosciences perceived critical to national development such as Engineering Geology, Environmental Geology, Marine Geology, Coal Geology, Volcanology and Quaternary Geology are being developed. Geologic consultancy and analytical services are also offered by the institute staff members and laboratories, respectively.

NIGS offers a four-year undergraduate program leading to the degree Bachelor of Science in Geology as well as two graduate programs leading to the degrees of Masters of Science in

Geology and Doctor of Philosophy. The Institute also offers undergraduate and graduate courses in support of the General Education Program of the University. Other graduate programs of the University are also supported by NIGS through course instructions conducted by its faculty members. These programs include the Materials Science Program, Environmental Science Program and Archaeological Studies Program.

The major research thrusts of the Institute are:

1. Tectonics and Volcanology – the conduct of theoretical, experimental and applied research to understand crustal movement, earthquakes and related earth processes such as volcanism. Representative studies in this field are:
 - The Philippines-Taiwan Integrated Geodynamics Project
 - Structural geological, tectonic and geodynamic syntheses of Palawan and the eastern margin of the South China Sea
 - Extended Continental Shelf studies for Philippine ECS areas
2. Energy, Earth Materials and Mining – research studies that focus on mineral deposits (characterization, exploration), with the following as representative research:
 - Hyperalkaline springs as a proxy for radioactive disposal areas
 - Geochemical characteristics of nickel and gold ore deposits in Surigao del Norte
 - A new structural geological and tectonic interpretation of south offshore Bondoc Peninsula: implications to petroleum potential of Ragay Gulf – Sibuyan Sea area (Pearl Energy Professorial Chair).
3. Geohazards Research and Engineering Geology – studies on flooding, ground subsidence, volcanic eruption, rain-induced and structural-controlled landslides. Representative research projects are:
 - Satellite and Field Detection and Analysis of Ground Subsidence in KAMANAVA, Metro Manila and other coastal areas

- Updated assessment of volcanic and earthquake-related hazards of the Bataan Nuclear Power Plant site
 - Creation of the DOST Nationwide Operational Assessment of Hazards (NOAH)
 - Disaster risk management using sensor networks and computing: early warning system for landslides, slope failures and debris flows
 - Seismotectonic analysis of the Philippines and large magnitude earthquake generators
 - Understanding the February 6, 2012 Magnitude 6.9 Negros Oriental Earthquake
 - Site selection and characterization of a near-surface repository for low- and intermediate-level radioactive waste in the Philippines: constraints from tectonics and geologic hazards
4. Paleontology - stratigraphy and fossil interpretation are used to answer the most basic geological questions such as understanding events that happened in the geologic past. Representative research include:
- Reconstruction of quaternary eruptions of Philippine volcanoes and consequent changes in the marine environment
 - Linking the Past and the Present: The rock/sediment record in internal Philippine seas and its implications on present-day oceanographic conditions
5. Climate Change and Environmental Science Research – the Institute provides the geological perspective in many of the national climate change initiatives. Two representative researches in this field are:
- Climate change vulnerability of the water resources sector
 - Mapping the petroleum contamination in Bangkal, Makati
6. Petrology, Petrography and Geochemistry – igneous petrology and petrography together

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

with geochemistry as an allied technique aim to use the knowledge of fundamental geologic processes in order to understand the geologic history of a certain area. Representative studies are:

- Establishing the history of the Philippine island arc system: Clues from the rocks of the Zambales-Pangasinan region
- Petrography of Aggregates in the Rodriguez-San Mateo Areas

NIGS has several research laboratories, as follows:

1. Engineering Geology Laboratory (EGL)
2. Environment Monitoring Laboratory (EML)
3. Earth Materials Science Laboratory (EMS)
4. Nanoworks Laboratory
5. Rushurgent Working Group (RWG)
6. Structural Geology and Tectonics (SG&T)
7. Volcano Tectonics Laboratory (VTEC)
8. Hybrids Group (Hybrids)

It also has the following analytical laboratories based in one of its research laboratories:

1. X-Ray Diffraction/Fluorescence and Atomic Absorption Spectrometry
2. Inductively Coupled Plasma-Mass Spectrometry
3. Ground Penetrating Radar Service

Functions of the Unit

- Research
- Training/Continuing education
- Extension/Outreach
- Consultancy
- Academic – degree granting

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Director

Contact Details

 www.nigs.upd.edu.ph/
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COLLEGE OF SCIENCE
**NATIONAL INSTITUTE OF MOLECULAR
BIOLOGY AND BIOTECHNOLOGY**



<i>Date Established</i>	1987
<i>Mandate/Mission</i>	<p>The National Institute of Molecular Biology and Biotechnology (NIMBB) was established by the UP Board of Regents to address the need for molecular biologists and biotechnologists in both the academe and in industry. In addition, the Institute promotes public awareness about issues related to molecular biology and biotechnology so that they may be fully aware of the advantages and disadvantages of these technologies.</p>
<i>Flagship Programs and/or Major Activities</i>	<p>The Institute administers three degree-granting programs: the Bachelor of Science, Master of Science, and Doctor of Philosophy in Molecular Biology and Biotechnology.</p> <p>The Institute houses several research programs in the fields of biomedical research, industrial biotechnology, and genome research. The current laboratories housed in the NIMBB are the:</p> <ol style="list-style-type: none">1. Aquatic Biotechnology Laboratory2. Disease Molecular Biology and Epigenetics Laboratory3. Laboratory of Molecular and Cellular Biology4. Molecular Microbiology Laboratory5. Molecular Toxicology Laboratory6. Plant Molecular Biology and Virology Research Laboratory7. Protein Structure and Immunology Laboratory <p>The Institute also holds training programs in the basics of molecular biology for researchers and teachers inside and outside of the University of the Philippines. Previous projects conducted by the institute have included seminars and training courses in biotechnology, genetically modified organisms, molecular imaging techniques, teaching molecular biology and biotechnology to college and high school students, and animal handling for research purposes.</p>

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/ Continuing education• Consultancy• Academic – degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 http://www.nimbb.upd.edu.ph/🌐 http://www.mbb.upd.edu.ph/☎ 9818500 local 3954 or 3958; 9277516

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
AND BIOTECHNOLOGY
AQUATIC BIOTECHNOLOGY LABORATORY

<i>Date Established</i>	2009
<i>Mandate/Mission</i>	The Aquatic Biotechnology Laboratory (ABL) was established in the late 2009 to spearhead applied biotech researches involving aquatic resources in order to enhance number of expertise in the field of marine science and aquaculture. Pioneering researches of the laboratory dealt with the fundamental science of algal phylogeny, taxonomy, physiology, ecology, biodiversity and biotechnology primarily with freshwater microalgae. These basic researches can lead to the applications of technology in the areas such as aquaculture, environmental management, bio-fuels, food and pharmaceuticals, and social-economic sciences such as rural and indigenous development, industry and product development.

*Flagship Programs and/or
Major Activities*

The laboratory focuses its research on biotech applications including phylogenetics studies of local marine and freshwater algae resources. It specializes in the culture of micro-algae such as *Chlorella*, *Scenedemus*, *Botryococcus*, including diatoms, their application to biofuel technology and other potential natural oil products. It also aims to find genes involved in the oil-producing mechanisms of algae for possible genetic manipulation. In addition, the laboratory also spearheads seaweed tissue culture research via callus induction and cryopreservation of Philippine eucheumatoid species that aims on improving/maintaining the quality of cultivar strains of these carrageenan-producing seaweeds

ABL also strives towards the advancement of collaborative research that integrates biological, biotechnological and ecological disciplines in freshwater and marine science in pursuit of academic excellence and innovation both at domestic and international levels.

Functions of the Unit

- Research

*Home Institution 1 and
Nature of Home Institution*

National Institute of Molecular Biology and Biotechnology – Academic

*Home Institution 2 and
Nature of Home Institution*

College of Science – Academic

Head of Unit's Position

Principal Investigator

Contact Details

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 9277516

COLLEGE OF SCIENCE
 NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
 AND BIOTECHNOLOGY
**DISEASE MOLECULAR BIOLOGY AND
 EPIGENETICS LABORATORY**

<i>Date Established</i>	2010
<i>Mandate/Mision</i>	The Disease and Molecular Biology and Epigenetics Laboratory (DMBEL) was established to undertake research on the effect of genetic variations, epigenetic modifications and other molecular regulatory mechanisms on health and disease.
<i>Flagship Programs and/or Major Activities</i>	Current research at the DMBEL focus on epigenetic mechanisms responsible for the inter-individual variability in drug responses, as well as the functional sequelae of knocking down the metastasis suppressor gene RKIP (Raf kinase inhibitory protein) and the tumor suppressor gene NF2 (neurofibromatosis type 2). MicroRNA regulation of CYP3A4 and CYP1A2, for which there are few or no coding region mutations of functional consequence, as well as their <i>trans</i> regulators (notably, the pregnane X receptor or PXR and constitutive androstane receptor or CAR genes), are of particular interest. The contributions of microRNA binding site single nucleotide polymorphisms (miRSNPs) found in the 3' UTR of these genes in generating inter-individual variability in drug responses are also being investigated.
<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Research
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Molecular Biology and Biotechnology – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Principal Investigator
<i>Contact Details</i>	<p>🌐 www.nimbb.upd.edu.ph ☎ 9277516</p>

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
AND BIOTECHNOLOGY
**LABORATORY OF MOLECULAR AND CELLULAR
BIOLOGY**

<i>Date Established</i>	No information
<i>Mandate/Mission</i>	Research in the Laboratory of Molecular and Cell Biology (LMCB) involves a variety of topics ranging from the isolation and analysis of fluorescent proteins, genetic analysis of mouse hyperactivity, nanomaterials in cancer research, and molecular diagnostics.
<i>Flagship Programs and/or Major Activities</i>	<p>The green fluorescent protein, as discovered and developed by the group of Shimomura, Chalfie and Tsien, has opened up an exciting array of possibilities in applications to cell tracking and cell labelling. This project aims to identify and characterize various fluorophores from local marine invertebrates, to isolate GFP-like genes and clone them in appropriate expression vectors, develop GFP fusion constructs as reporters for gene expression studies, and apply for patents for novel applications of these isolated GFP genes.</p> <p>Work in LMCB also examines the genetics behind mouse hyperactivity. Through ENU mutagenesis, the laboratory has been able to generate a hyperactive mouse line in the agouti strain. Current efforts push toward investigating the functionality of dopaminergic genes in hyperactivity. Previous literature has implicated the possibly significant role of the dopaminergic system in the pathogenesis of Attention-Deficit and Hyperactivity Disorder (ADHD), as reflected in previous mouse models by hyperactivity. The exact etiology of this disorder, however, is still presently unknown. Behavioral analysis of these mice are also performed through a modified open field test for hyperactivity.</p>

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

The LMCB also conducts promising work on nanomaterials – quantum dots (QDs) and single-walled carbon nanotubes (SWCNTs). Both materials are currently being subjected to various tests which check for biodistribution, excretion behavior and toxicology both *in vitro* and *in vivo* on pertinent cell lines and mouse models, respectively.

Aside from these, the medically-relevant properties of each class of materials are also being looked into. Investigations regarding the prospective use of quantum dots conjugated to cancer-specific antibodies as biomarkers for metastasis are being conducted. Another research line strives to optimize the variables involved in the functionalization and utilization of anticancer-antibody-SWCNT bioconjugates as mediators of cancer photothermal therapy through exposure to widefield radiation.

Other research activities of LMCB include work on molecular diagnostics, most recently on the development of a multiplex PCR detection kits for tuberculosis and another one for gonorrhoea.

Functions of the Unit

- Research

Home Institution 1 and Nature of Home Institution

National Institute of Molecular Biology and Biotechnology – Academic

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Principal Investigator

Contact Details

 www.nimbb.upd.edu.ph

 9277516

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
AND BIOTECHNOLOGY
MOLECULAR MICROBIOLOGY LABORATORY

Date Established 1996

Mandate/Mission The Molecular Microbiology Laboratory (MML) is the center of activities for microbial research. The laboratory has been instrumental in providing research training for several undergraduate and graduate NIMBB students.

Flagship Programs and/or Major Activities Among the completed microbial-based projects in the MML are researches involving multiplex PCR detection of water-borne bacterial pathogens and several studies on sequence analysis of genes from bacterial shrimp pathogens, *Vibrio harveyi* and *Vibrio campbellii*. In response to the need to train students in other aspects of molecular biotechnology, non-microbiology studies including DNA-based detection of genetically modified corn and soybean seeds and sequence analysis of mitochondrial 16s rRNA and cytochrome b genes in selected Philippine wild life species, were also conducted and completed in the laboratory.

Current research projects include:

1. Sequence analysis of selected Genes from *Vibrio harveyi* and *Vibrio campbellii*

The MML has generated and published complete sequence of the *V. harveyi* toxR and ornithine decarboxylase (odc) genes as well as the hemolysin gene from *V. campbellii*. The gene sequences are crucial in providing more data to differentiate closely related pathogenic Vibrios as well in elucidating mechanisms of pathogenesis. Sequence analysis of additional genes from both type strain and bonafide *V. harveyi* and *V. campbellii* is currently being performed in the laboratory.

2. DNA-based detection of genes for industrially important bacterial alkaline protease, amylase,

xylanase, alkane hydroxylase, and cytochrome p450 enzymes

In the Philippines, DNA-based detection of genes for microbial enzymes has not been extensively explored. This research is aimed at using previously designed and new enzyme gene-targeted primers to detect the presence of these genes with the ultimate goal of isolating bacteria (and their genes) with promising potential as sources of industrially important enzymes.

3. Search for molecular markers to distinguish selected strains of *Saccharomyces cerevisiae* used in wine and biofuel production

This research project aims to identify molecular markers associated with alcohol production and ethanol tolerance of available strains of *Saccharomyces cerevisiae* that are currently being used for wine and biofuel production. These molecular markers are expected to be useful for ensuring the maintenance of desirable stocks of yeast strains important in industry. Moreover, these markers will be of use for additional rapid screening of more desirable strains of *S. cerevisiae* for wine and biofuel production.

Functions of the Unit

- Research

Home Institution 1 and Nature of Home Institution

National Institute of Molecular Biology and Biotechnology – Academic

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Principal Investigator

Contact Details

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IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
AND BIOTECHNOLOGY
MOLECULAR TOXICOLOGY LABORATORY

<i>Date Established</i>	2008
<i>Mandate/Mission</i>	The Molecular Toxicology Research Laboratory (MTRL) aims to assess genetic and protein markers related to toxic responses and develop techniques for rapid, accurate, and economic assessment of toxic risk using bioassay and other molecular techniques.
<i>Flagship Programs and/or Major Activities</i>	Current works in the laboratory include the following: <ul style="list-style-type: none">• An evaluation of genetic and protein markers corresponding to morphological markers of toxicity in chromium-intoxicated zebrafish for the characterization of signaling networks affecting changes in gene and protein expression in response to toxic exposure.• Development of an in-house technique for genotyping and risk assessment of related SNP markers involved in clopidogrel resistance as a response to treatment for acute coronary syndrome.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Molecular Biology and Biotechnology – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Principal Investigator
<i>Contact Details</i>	 www.nimbb.upd.edu.ph  9277516



COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
AND BIOTECHNOLOGY
**PLANT MOLECULAR BIOLOGY AND VIROLOGY
RESEARCH LABORATORY**

Date Established

2004

Mandate/Mission

The Plant Molecular Biology and Virology Research Laboratory (PMBVRL) undertakes research on the following research areas: (1) applications of plant-virus interactions like pathogen mediated resistance, (2) plant transformation for development of virus-resistant plants using particle bombardment and *Agrobacterium*- mediated activities, (3) development of viral gene constructs for transformation and (4) genetic diversity of important plant viruses.

Flagship Programs and/or Major Activities

Ongoing projects include the following:

- Molecular Characterization of Abaca bunchy top virus (ABTV), Development of Viral gene constructs and Transformation of Selected Abaca Cultivars

The objective of this project is transform abaca tissue with constructs of viral genes in plant expression vectors.

- Recombinant Expression of Abaca bract mosaic virus (ABrMV) Coat Protein as Antigen for Antiserum Production

The objective of this project is to clone, express, and purify the coat protein from the Abaca bract mosaic virus (ABrMV). Detection of ABrMV particles in plant samples will be achieved through antibody-based assays using polyclonal antibodies produced from recombinant ABrMV coat protein.

- Functional Analysis of Abaca bunchy top virus (ABTV) Satellite DNAs

The goal of this project is to characterize satellite DNAs associated with the abaca bunchy top virus (ABTV) and to determine the functions of their encoded proteins.

- Molecular cloning and Genome analysis of Abaca bract mosaic virus (ABrMV)

The objective of this project is to characterize the genome organization of ABrMV and to clone and sequence various ABrMV genes.

Functions of the Unit

- Research

Home Institution 1 and Nature of Home Institution

National Institute of Molecular Biology and Biotechnology – Academic

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Principal Investigator

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COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF MOLECULAR BIOLOGY
AND BIOTECHNOLOGY
**PROTEIN STRUCTURE AND IMMUNOLOGY
LABORATORY**

Date Established 2008

Mandate/Mission The Protein Structure and Immunology Laboratory (PSI Lab) utilizes structural analysis of proteins to study cellular and immunological systems.

Flagship Programs and/or Major Activities The PSI Lab is currently involved in several research projects, namely

1. The study of recombinant protein structure and the role of post-translational modifications in the modulation of cancer metastasis.



2. The prediction of epitope immunodominance and the rational design of vaccines using a combination of structural biology and computational techniques.
3. Characterization of proteins from tardigrade species isolated from the Philippines
4. Determination of the structure of chromogenic and fluorescent proteins isolated from Philippine marine organisms

These studies are performed mainly through nuclear magnetic resonance (NMR) spectroscopy, X-ray crystallography, and other biophysical methods. Biochemical assays such as the enzyme-linked immunosorbent assay (ELISA) are also used in the immunological studies.

The PSI Lab currently houses a four-node computing grid for protein structure modeling and other computationally intensive algorithms. In order to perform experiments requiring high-value equipment, PSI lab has existing collaborations with establishments such as the UP Diliman NMR facility and the National Synchrotron Radiation center in Hsinchu, Taiwan.

Functions of the Unit

- Research

Home Institution 1 and Nature of Home Institution

National Institute of Molecular Biology and Biotechnology – Academic

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Principal Investigator

Contact Details

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COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF PHYSICS



<i>Date Established</i>	1983 – The National Institute of Physics (NIP) was established through Executive Order 889.
<i>Mandate/Mission</i>	The NIP aims to be a center of excellence in the fields of education, training, and advanced research and development in Physics and technology.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Academic Programs The Institute offers the following degree programs: BS Physics, BS Applied Physics (with concentrations in materials physics and instrumentation physics), Diploma in Physics, MA Physics, MS Physics and Ph.D. Physics.• Research The NIP is engaged in research through the following physics groups:<ol style="list-style-type: none">1. Condensed Matter Physics Group – focuses on the following research areas: physical properties and applications of high temperature superconductors; electronic and optical properties of III-V semiconductors in bulk, quantum wells and dots; opto-electronic devices; nanomaterials and solar cells; ultrafast and terahertz spectroscopy.2. Instrumentation Physics Group – focuses on the following research areas: laser microscopy; optical trapping and fabrication; complex systems; noise-aided image and signal analysis; granular materials and image and video analysis.3. Photonics Research Group – focuses on the following research areas: coherent metrology: digital holography, speckle interferometry, shearography, and phase retrieval; laser produced plasma: pulsed laser deposition, diagnostic and spectroscopy.

4. Structure and Dynamics Group – focuses on the following research areas: spin-orbit coupling and disorder in two-dimensional electron systems; spin fluctuations in magnetic lattices; spatio-temporal modeling; population dynamics; percolation; malware epidemiology and search optimization in quantum computing
 5. Plasma Physics Laboratory – focuses on the following research areas: Plasma-enhanced chemical vapor deposition; plasma chemistry applications; beam transport; diagnostics development and plasma dynamics.
 6. Theoretical Physics Group – focuses on the following research areas: Quantum field and gauge theories; quantum field theoretical methods in high-Tc superconductivity; perturbation formalism; general relativity and applications in astrophysics; special methods in non-equilibrium statistical physics; applications to non-linear phenomena in hydrodynamics and plasma physics; high energy particle phenomenology and foundations of non-relativistic quantum mechanics
- Extension Services
 1. On-the-job-training for Undergraduates – The Institute offers an immersion program and on-the-job-training for students that are about to get/obtain a baccalaureate degree.
 2. High School Investigative Projects – The institute offers its facilities to help high school students in their investigative projects to refine their view on science and to provide them with meaningful experiences.
 3. Public Visits and Lab Tours - The Institute open for public visits and laboratory tours only during the College of Science Week during the month of February. The week-long NIP open house also features lectures, exhibits and laboratory immersion for the public.

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – degree granting• Research• Extension/Outreach• Training/ Continuing Education
<i>Home Institution 1</i> <i>Nature of Home Institution</i>	Not applicable
<i>Home Institution 2</i> <i>Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://www.nip.upd.edu.ph/  9818500 local 3701-3703

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF PHYSICS
**CONDENSED MATTER PHYSICS
LABORATORY SEMICONDUCTOR GROUP**



<i>Date Established</i>	1998
<i>Mandate/Mission</i>	With support from research project grants funded by DOST-PCASTRD, the Condensed Matter Physics Laboratory Semiconductor Group (CMPL Semicon) began its serious research thrust on III-V semiconductors in 1998. The research team, established by Dr. Arnel Salvador, has achieved competency in thin film growth, fabrication and characterization of wafers and optoelectronic devices. The group is equipped with several thin film deposition machines and device fabrication equipment. Quite recently, the CMPL Semicon has further expanded its research thrusts with continued support from DOST-PCIEERD and UPD-OVCRD,. The group is currently also working on applications of nanostructures in sensors, solar cell devices, and in terahertz science.

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Flagship Programs and/or Major Activities</i>	<p>The CMPL Semicon is interested in the physics of (In)GaAs based quantum wells, quantum wires and quantum dots. Recently, studies on the nanostructure synthesis in Si have also gained interest.</p> <p>The group is fortunate to have the essential facilities to do thin film growth, device fabrication, and materials/device characterization. Thus, it has become viable to work on topics of interest to condensed matter physicists, materials scientists and even device physicists. This is also reflected in the diverse composition of the CMPL Semicon which ranges from those in the NIP department and to those in the Materials Science and Engineering Program.</p>
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Physics – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Program Coordinator
<i>Contact Details</i>	http://www.nip.upd.edu.ph/cmpl/Semicon/semicon.html

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF PHYSICS
**CONDENSED MATTER PHYSICS
LABORATORY SUPERCONDUCTOR GROUP**



<i>Date Established</i>	1991
<i>Mandate/Mission</i>	The Condensed Matter Physics Laboratory Superconductor Group (CMPL Supercon) is one of the two clusters of the six research laboratories/groups of the National Institute of Physics. In the past, the laboratory has focused only on the fabrication and characterization of high temperature superconductors (HTSCs). Today, CMPL Supercon has broadened its horizons as it enters nanotechnology research. Prompted by the arrival of the Atomic Force Microscope (AFM) last 2008, additional research on the synthesis and characterization of nanoscopic materials have been undertaken. Recent acquisitions (2011) such as the carbon coater, dicing/slicing saw, and polishing machine will further improve nanotechnology of the group.
<i>Flagship Programs and/or Major Activities</i>	No information
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Physics – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Program Coordinator
<i>Contact Details</i>	<p>🌐 http://www.nip.upd.edu.ph/cmpl/Supercon/supercon.html ☎ 9209749; 9261002</p>

COLLEGE OF SCIENCE
 NATIONAL INSTITUTE OF PHYSICS
INSTRUMENTATION PHYSICS LABORATORY



<i>Date Established</i>	No information
<i>Mandate/Mission</i>	The Instrumentation Physics Laboratory (IPL) first undertook research on optics and signal processing. Currently, the laboratory has expanded their research areas within theoretical and applied physics. Among its current initiatives are development of advanced optical techniques for bio-medicine and materials science, photonic fabrication and manipulation of microstructures, modeling crowd dynamics and complex networks.
<i>Flagship Programs and/or Major Activities</i>	<p>The IPL is composed of the following sub-groups:</p> <ul style="list-style-type: none"> • Complex Systems Group – This unit combines theoretical and experimental approach to make high impact contributions in understanding the dynamics of granular materials, social and complex networks, and synchronization patterns. Complex networks, neural networks, differential equations, agent based modeling, and cellular automata are some of the techniques used to describe complex systems under study. • Photonics Group – This is composed of two teams: the Laser Microscopy Group and the Wavefront Engineering Team. The Laser Microscopy Group develops and constructs advanced microscope systems for rapid and non-invasive characterization of embedded defects inside semiconductor microchips. Current research thrusts have extended the application to biomedicine. These include five-dimensional imaging of mouse embryos using two-photon excitation spectral microscopy; biomedical optics applied to pathology; spectral microscopy applied to biophotonics and forensics; and near-field scanning microscopy. The Wavefront Engineering Team is interested in the application of recent

advances in optical technology to various instrumentation research ventures. In particular, we are concerned in addressing two-dimensional phase, amplitude and state-of-polarization patterns of a coherent beam using programmable spatial light modulators to generate novel three-dimensional (3D) light patterns. The possibilities of these complex 3D optical fields point towards applications in optical microscopy; multiple beam optical trapping; micro-fabrication via nonlinear photopolymerization; complex field coupling to advanced optical waveguides coupling for fiber sensors and more. Generation of the 3D optical fields makes use of a blend of interferometry-based techniques, in particular phase contrast and computer generated holography.

- Video and Image Processing Group – This Group works on improving and developing new methods of acquisition and manipulation of images and other signals from cameras and microscopes to extract and enhance information. Currently, the group concentrates on the following applications: spectral imaging (bioluminescence and spectral microscopy); marine signal and image processing (coral reef classification and optical properties of coastal waters); human color vision; biometrics (gait imaging and human tracking); and art conservation (onset of surface defects, color rejuvenation, and texture analysis of paintings).

Functions of the Unit

- Research
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

National Institute of Physics – Academic

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Laboratory Coordinator

Contact Details

🌐 <http://www.nip.upd.edu.ph/ipl/>
☎ 9818500
✉ coordinator.ipl@nip.upd.edu.ph



COLLEGE OF SCIENCE
 NATIONAL INSTITUTE OF PHYSICS
PHOTONICS RESEARCH LABORATORY



<i>Date Established</i>	March 1983 – Laser Physics Group December 1999 – Photonics Research Laboratory
<i>Mandate/Mission</i>	The Photonics Group was established by the National Institute of Physics (NIP) to serve as the national center for research, development and advanced manpower training in lasers and laser applications. It was tasked to spearhead the development of high-impact laser physics research capabilities in the country. The Laboratory aims to: <ul style="list-style-type: none"> • Develop a strong national research capability and tradition in laser physics; • Provide international-quality graduate and undergraduate education in the area of laser physics; and • Provide various expert extension services related to the national scientific, technological and industrial development.
<i>Flagship Programs and/or Major Activities</i>	Laser systems development: pulsed laser deposition, diagnostics and spectroscopy of laser produced plasma, multi-color and multi-photon interactions; Coherent metrology for nondestructive testing of technical and biological samples: digital shearography and holography, speckle phase retrieval, 3D object recognition and phase microscopy
<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Research • Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Physics – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Program Coordinator
<i>Contact Details</i>	 http://www.nip.upd.edu.ph/photonics/history.php



COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF PHYSICS
PLASMA PHYSICS LABORATORY



Date Established 1980

Mandate/Mission The Plasma Physics Laboratory (PPL) was established to experiment with and develop modest plasma systems in order to acquire practical knowledge and skills to better employ technologies based on plasma physics.

Flagship Programs and/or Major Activities The PPL has built nine major plasma devices over the years. These facilities have undergone modifications and upgrading to serve as demonstration-of-principle devices for specific applications.

The PPL continues to experiment on ion sources (volume, surface, multicusp, gas discharge and microwave) for the production of hydrogen, helium, oxygen, other gas and metal ions and their use in the synthesis of high grade thin films of nitrides, oxides and carbides. A plasma-enhanced chemical vapor deposition (PECVD) facility was also developed for polymer modification as well as sterilization applications and dielectric barrier discharge for wood treatment. Other plasma chemistry applications are on the synthesis of hydrogenated silicon, hydrogenated diamond-like carbon, hetero-epitactic overlayers, carbon nanostructures, and silicon nanopillars. Studies are done as well on beam transport, diagnostics development (optical emission, Langmuir and ExB probes, electrostatic energy analyzers) and plasma dynamics particularly on enhancement of ion current density, ion energy, beam focusing and acceleration. These are done via simulation and then compared to actual experimental results.

The various studies done on these facilities generated several publications in ISI-accredited journals, local journals, local and international

conference proceedings and a patent for a developed process technology for coating hard films.

<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Research • Consultancy • Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Physics – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Program Coordinator
<i>Contact Details</i>	 http://www.nip.upd.edu.ph/plasma/index.htm

COLLEGE OF SCIENCE
 NATIONAL INSTITUTE OF PHYSICS
STRUCTURE AND DYNAMICS LABORATORY



<i>Date Established</i>	January 2003
<i>Mandate/Mission</i>	The Structure and Dynamics (SanD) Group has steadily gained research momentum since its inception in January 2003. It grew from the expansion and reorganization of the Liquid Crystals Laboratory upon the approval of the NIP Executive Council to encompass research areas in computational physics and theoretical condensed matter physics.
<i>Flagship Programs and/or Major Activities</i>	The SanD Group's research focuses on the basic physics principles of how a system's structure affects its dynamical behavior. Hence, SanD trains students to do research using numerical modeling to solve a wide range of problems. For instance, in solid state physics, SanD investigates effects of spin-orbit coupling and disorder in two-dimensional electron systems and spin fluctuations in magnetic lattices. Computational

physics problems include spatio-temporal modeling, population dynamics, percolation, malware epidemiology and search optimization in quantum computing.

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	National Institute of Physics – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Program Coordinator
<i>Contact Details</i>	http://www.nip.upd.edu.ph/sand/

COLLEGE OF SCIENCE
NATIONAL INSTITUTE OF PHYSICS
**TECHNOLOGY INCUBATION CORE FACILITIES –
MULTIDIMENSIONAL IMAGING CENTER**

<i>Date Established</i>	July 2008
<i>Mandate/Mission</i>	The TICF (Technology Incubation Core Facilities) aims to support the commercialization of discoveries, inventions and technologies that were developed at the University. The TICF also provides a link between the academe and its industry partners such as S&T-based start-up companies, entrepreneurs and SMEs (small and medium sized enterprises) by providing services that help these partners improve their own products and services. Among the technical services that the TICF provides are R&D equipment and the technical know-how of the scientists of the National Science Complex.
<i>Flagship Programs and/or Major Activities</i>	The Multidimensional Imaging Center (MDIC) provides the capability to study the biological



effects of bioactive materials at the microscopic, molecular, cellular and tissue levels. It offers imaging services such as atomic force microscopy, live cell imaging, whole animal imaging and spectral karyotyping, sample preparation and facilities for cell culture. Aside from being a service laboratory, it has also spearheaded a number of trainings in the preparation of biological samples and microscopic techniques in cooperation with different partners in the field of life sciences,.

Functions of the Unit

- Research
- Extension / Outreach
- Consultancy

Home Institution 1 and Nature of Home Institution

National Institute of Physics (NIP) - Academic/ Research

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

TICF Coordinator

Contact Details

<http://www.science.upd.edu.ph/>
 4332990
 TICF.Coordinator@gmail.com

**COLLEGE OF SCIENCE
 NATIONAL INSTITUTE OF PHYSICS
 THEORETICAL PHYSICS LABORATORY**

Date Established

1983 – The group was founded as the Fields and Particles Group

1990s – The Group was officially named as the Theoretical Physics Group (TPL) by the Executive Council of the National Institute of Physics.

Mandate/Mission

The TPL undertakes research on gauge theories, general relativity, Kaluza-Klein theory, nuclear theory, quantum field theory, and stochastic

quantization. During the 1990's, the TPL added research on the methods and applications of path summation, condensed matter theory, physics of fluids, projection techniques in statistical mechanics, self-replicating systems, stellar dynamics, and other related areas.

Flagship Programs and/or Major Activities

Current research areas are: quantum field and gauge theories; quantum field theoretical methods in high-Tc superconductivity; perturbation formalism; general relativity and applications in astrophysics; special methods in non-equilibrium statistical physics and applications to non-linear phenomena in hydrodynamics and plasma physics; high energy particle phenomenology; and foundations of non-relativistic quantum mechanics.

Functions of the Unit

- Research
- Academic – non-degree granting

Home Institution 1 and Nature of Home Institution

National Institute of Physics – Academic

Home Institution 2 and Nature of Home Institution

College of Science – Academic

Head of Unit's Position

Program Coordinator

Contact Details

🌐 <http://www.nip.upd.edu.ph/theory/Home.htm>
✉ eric.galapon@up.edu.ph;
egalapon@nip.upd.edu.ph

COLLEGE OF SCIENCE
**NATURAL SCIENCES
RESEARCH INSTITUTE**



<i>Date Established</i>	19 June 1964 – Natural Sciences Research Center (NSRC) 23 March 1983 – Natural Sciences Research Institute (NSRI)
<i>Mandate/Mission</i>	<p>The NSRI serves as the national center of excellence for the advancement, dissemination, and application of knowledge in Biology, Chemistry, Environmental and Atmospheric Sciences, and Mathematics. It is mandated to:</p> <ul style="list-style-type: none">• Undertake research in Biology, Chemistry, Environmental and Atmospheric Sciences, and Mathematics;• Organize interdisciplinary research programs;• Support the graduate programs of the College of Science in these fields of study;• Provide extension and other services on request and when feasible do research needs such as consultancies, research, training, technical support, analytical support, printing services to researchers, other units of the University, and other institutions and agencies, both government and private; and• Disseminate research findings through scientific publications, workshops, conferences and seminars.
<i>Flagship Programs and/or Major Activities</i>	<p>The NSRI funds 28-30 projects/researches every year in the disciplines of biology, chemistry, environmental sciences, mathematics and meteorology. Researches are classified as: individual projects, multi-disciplinary programs and interdisciplinary programs.</p> <p>The Institute maintains modern scientific instruments and facilities and has a pool of specially trained scientists to render research and development as well as analytical services through its four technical laboratories.</p>

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/Continuing education• Consultancy• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	http://nsri.upd.edu.ph/main/ 9818500 local 3602; 9252963; 9252964

COLLEGE OF SCIENCE
NATURAL SCIENCES RESEARCH INSTITUTE
**BIOLOGICAL RESEARCH AND
SERVICES LABORATORY**



<i>Date Established</i>	1990 – Biological Services Laboratory 1999 – Biological Research and Services Laboratory (BRSL)
<i>Mandate /Mission</i>	The BRSL is one of the core facilities of the Natural Sciences Research Institute (NSRI). It provides services related to biological analyses of food, drugs, cosmetics, pollutants and other substances. It assists students and researchers in their theses, dissertations and experiments. Training courses in laboratory animal handling and DNA analysis are being offered all year round to academic institutions, research personnel and private individuals to help upgrade the development of biological techniques in the country,
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Biological assays• Cryostat microtome sectioning• Laboratory mice breeding• Microscopy (fluorescence, phase contrast, light)• Molecular techniques



<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Research • Extension/Outreach • Training/Continuing education • Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Natural Sciences Research Institute – Research
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Head of Laboratory
<i>Contact Details</i>	<ul style="list-style-type: none"> 🌐 http://nsri.upd.edu.ph/main/ ☎ 9818500 local 3604; 9252961

COLLEGE OF SCIENCE
 NATURAL SCIENCES RESEARCH INSTITUTE
DNA ANALYSIS LABORATORY



<i>Date Established</i>	1996
<i>Mandate/Mission</i>	The DNA Analysis Laboratory (DAL) is mandated to develop the country's national capability to conduct DNA testing for forensic applications through research and to establish population databases for this purpose. The Laboratory is also tasked to study human genetic variations in Philippine populations in order to better understand the genetics of the Filipino people.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none"> • Human identification through DNA profiling; • Development of DNA procedures for forensic applications, e.g. parentage testing, kinship testing, criminal investigations, post-conviction DNA testing, mass disaster identifications; • Population genetic studies on Philippine ethnicity and human genetic variations; • Promoting the development of ethical guidelines and legislations on the use of DNA technology or forensic and population genetic studies in the Philippines; and • Development of courses in forensic DNA technology

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Natural Sciences Research Institute – Research
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Head of Laboratory
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 www.dnaforensic.org☎ 9818500 local 3605; 9252965✉ updnlab@gmail.com

COLLEGE OF SCIENCE
NATURAL SCIENCES RESEARCH INSTITUTE
**MICROBIOLOGICAL RESEARCH AND
SERVICES LABORATORY**

<i>Date Established</i>	<p>1971 – University of the Philippines Natural Science Research Institute Culture Collection (UPCC)</p> <p>1994 – Microbiological Services Laboratory (MSL)</p> <p>1999 – Microbiological Research and Services Laboratory (MRSL)</p>
<i>Mandate/Mission</i>	<p>The MRSL is one of the four research and technical laboratories of the Natural Sciences Research Institute (NSRI). With its vision to be a nationally and internationally recognized center for microbiological resources and services, the MRSL is dedicated to:</p> <ul style="list-style-type: none">• Provide quality microbiological services to various sectors of the society;• Provide pure and viable microbial cultures to qualified users;• Assist students and researchers in thesis or research projects involving the use of microorganisms;• Offer training courses on microbiological procedures; and



RESEARCH, CREATIVE WORK AND EXTENSION UNITS

<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Conduct research on water, food and environmental microbiology. Research in the MRSL focuses on: <ul style="list-style-type: none">• Food-borne pathogens in produce• Sponge-derived marine microorganisms, their characteristics and production of anti-infectives• Microbial diversity and metabolites The MRSL houses the UP-NSRI Culture Collection (UPCC), which maintains about 500 cultures of bacteria, fungi and yeasts in viable and pure form. It has provided microbial cultures for instructional, research and industrial purposes. It has also developed as testing and reference laboratory to effectively serve students, the academe, researchers, private sector and the industries through its provision of quality microbiological resources and services. With its quality microbiological services, the Laboratory became one of the recognized testing laboratories of the Food and Drug Administration (FDA) for the microbiological examination of bottled drinking water.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/Continuing education• Consultancy• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Natural Sciences Research Institute – Research
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Head of Laboratory
<i>Contact Details</i>	 http://nsri.upd.edu.ph/main/  9818500 local 3607; 9207730

COLLEGE OF SCIENCE
NATURAL SCIENCES RESEARCH INSTITUTE
**RESEARCH AND ANALYTICAL
SERVICES LABORATORY**



<i>Date Established</i>	1970
<i>Mandate/Mission</i>	The Research and Analytical Services Laboratory (RASL) was organized to provide chemical testing support to researchers of the Natural Sciences Research Institute (NSRI). At present, the RASL provides chemical testing services to students and researchers from UP and other universities, government regulatory agencies, private individuals and corporations; conducts environmental research; provides consultancy and training services.
<i>Flagship Programs and/or Major Activities</i>	<p>The RASL has focused its research activities on monitoring of toxic trace metals and toxic trace organics in environmental matrices water, soil, sediments, biota, air and food. The Laboratory has been a participant in the United Nations University (UNU) East Asia Regional Monitoring of Persistent Organic Pollutants (POPs) to provide data for the assessment of the effectiveness evaluation of the Stockholm Convention, the global effort to eliminate toxic POPs in the environment.</p> <p>The RASL's expansion of laboratory services is focused on the development of analytical capability on testing services which are not available in the country but needed by government regulatory agencies and export industries.</p> <p>The Laboratory conducts training courses on chemical analysis and on validation of analytical methods, quality assurance and measurement uncertainty in routine chemical analysis.</p> <p>The RASL obtained ISO17025 accreditation, the internationally-accepted standard for laboratory services in 2006, and has sustained the accreditation to the present.</p>

<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/Continuing education• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Natural Sciences Research Institute – Research
<i>Home Institution 2 and Nature of Home Institution</i>	College of Science – Academic
<i>Head of Unit's Position</i>	Head of Laboratory
<i>Contact Details</i>	 http://nsri.upd.edu.ph/main/  9207731

INSTITUTE FOR SMALL-SCALE INDUSTRIES



<i>Date Established</i>	4 August 1969 by virtue of R.A. 6041
<i>Mandate/Mission</i>	<p>Section 1 of R.A. 6041 mandates the Institute to perform the following functions:</p> <ul style="list-style-type: none">• Continuous conduct of consultancy training courses, periodic seminars, technical studies in the field of medium and small-scale industries with emphasis on Philippine industries;• Undertake technical studies and researches on request of the various governmental agencies concerned with industrial development, interested private industries, and the House of Representatives and the Senate;• Undertake study programs and research for the promotion of medium and small-scale industries;• Undertake the publication of studies, monographs, research papers, articles, and other written works on small and medium-scale industry;• Perform all other acts as may be necessary for the achievement of its objectives and

functions, in accordance with the rules and regulations of the University including the granting of research awards, prizes, scholarships and fellowships.

*Flagship Programs and/or
Major Activities*

- Training and Entrepreneurship Development
 1. Management Development
 - o Accounting for Non-Accountants
 - o Creative Selling Techniques
 - o Managers' Course
 - o Personal Finance and Wealth Management
 - o Productivity through Effective Supervision
 - o Strategic Human Resource Management
 - o Strategic Marketing Course
 - o Total Communication
 2. Total Quality and Productivity Improvement
 - o Improve Your Business
 - o Instrumentation and Process Control, Basic and Comprehensive Course
 - o Production Management
 - o Programmable Logic Controller
 - o Total Quality Management
 3. Project Development and Management
 - o Improving Your Project Management Skills
 - o Monitoring and Evaluating Programs and Projects
 - o Project Appraisal, Evaluation, and Monitoring
 - o Project Feasibility Study Preparation
 - o Small Business Consulting
 4. Enterprise Development
 - o Appreciation Workshop on Entrepreneurship
 - o Appreciation Course on Entrepreneurship
 - o Entrepreneurship Development Program
 - o Start Your Own Business

RESEARCH, CREATIVE WORK AND EXTENSION UNITS

- Knowledge Management, Information and Communications Technology Services
 1. Small Business Web Design for SMEs
 2. e-Learning Project
 3. UP ISSI e-Books Store
- Forums, Conferences, and Symposia
- Research Undertakings
- Service Streams
 1. Training and Continuing Professional Entrepreneurship Education and Development
 2. Entrepreneurship Research and Development
 3. Advisory, Consultancy and Extension
 4. Knowledge Management, Information and Communications Technology

Functions of the Unit

- Research
- Extension/Outreach
- Training/Continuing education
- Publication

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

Not applicable

Head of Unit's Position

Director

Contact Details

🌐 <http://entrepreneurship.org.ph/>
☎ 9206923; 9287076 to 7079

COLLEGE OF SOCIAL SCIENCES AND PHILOSOPHY COLLEGE EXTRAMURAL PROGRAM

<i>Date Established</i>	1984
<i>Mandate/Mission</i>	The College of Social Sciences and Philosophy (CSSP) Extramural Program conducts extension work designed to: enhance understanding of current concepts, perspectives, and methodologies in the different social science disciplines; update knowledge on social, economic, political, cultural and other issues configured in local and global contexts considering its relevance to social science education, research, and professional practice; and develop increased capacities in social science research and education for knowledge generation relevant to the country and the global community.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Annual Summer Training for Social Science Teachers- a regular activity of the college geared for teachers in primary, secondary and tertiary educational institutions throughout the country.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/Outreach
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Social Sciences and Philosophy – Academic
<i>Head of Unit's Position</i>	Associate Dean for Administration, Student Affairs and Extension
<i>Contact Details</i>	<ul style="list-style-type: none">✉ admin-extram@kssp.upd.edu.ph;☎ 9818500 local 2436; 9262511✉ cssp_extramural@yahoo.com

COLLEGE OF SOCIAL SCIENCES AND PHILOSOPHY
DEPARTMENT OF LINGUISTICS
**ASIAN LANGUAGES
EXTRAMURAL CLASSES**

DEPARTMENT OF LINGUISTICS
ASIAN LANGUAGES
EXTRAMURAL CLASSES

<i>Date Established</i>	January 2008
<i>Mandate/Mission</i>	To provide non-credit Asian languages courses to non-UP students in order to accommodate the needs and objectives of professionals in terms of language learning.
<i>Flagship Programs and/or Major Activities</i>	Asian Languages Extramural Courses in Chinese, Japanese, Korean, Thai, and Bahasa Indonesia / Malaysia; Japanese Language Proficiency Test (JLPT) Review Classes
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/Outreach• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Linguistics – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Social Sciences and Philosophy – Academic
<i>Head of Unit's Position</i>	Chairperson (of the Department of Linguistics)
<i>Contact Details</i>	<p>☎ linguistics.upd.edu.ph ☎ 9818500 local 2128; 9269887 ✉ lingg@kssp.upd.edu.ph</p>

COLLEGE OF SOCIAL SCIENCES AND PHILOSOPHY THIRD WORLD STUDIES CENTER

Date Established

1977 – The Third World Studies Center (TWSC) evolved from an interdisciplinary colloquium of faculty members from different disciplines, brought together by shared perspectives sensitive to realities in the Third World. In 1977, the TWSC began to operate as a program affiliated with the Office of the Dean of the College of Arts and Sciences.

29 March 1979 – the TWSC was lodged as a unit in the College of Social Sciences and Philosophy (CSSP).

1999 – the CSSP College Assembly endorsed the formal recognition of the Third World Studies Program as a full-fledged research center of the college. This was officially approved by the Board of Regents in 2000.

Mandate/Mission

The TWSC envisions itself as the premier social science research center of the University of the Philippines. Its mission is to develop critical, alternative paradigms to promote progressive scholarship and action for change by undertaking pioneering research on issues of national and international concern; creating spaces for discussion and dialogue; publishing original, empirically-grounded, and innovative studies; and building a community of activist-scholars and public intellectuals.

Flagship Programs and/or Major Activities

The TWSC focuses on the following areas from a multidisciplinary perspective: globalization, social movements, democratic governance, peace and human security, and culture and identity. The core programs include: research, publications, training and advocacy, and exchange.

- Research

The TWSC has a tradition of research on critical political economy, development issues, democratization, and governance. Guided by the principles of participatory research, the

main objectives of TWSC's research program are to develop Third World perspectives on various issues, and to translate knowledge generated for the promotion of action for change and the improvement of existing local actions. Central to this process of knowledge transformation is the role of social movements and civil society, which TWSC works closely with.

TWSC's current research agenda is to document and analyze resistance and alternatives to neoliberal globalization in Southeast Asia and to locate spaces for policy intervention. It also aims to probe deeper the issue of human security in the Philippines and to surface and reconstruct narratives in the memory and history of protests.

- Publications

TWSC regularly publishes research findings of projects undertaken by the TWSC research staff and the proceedings of public lectures/forums/roundtable discussions in a variety of forms: edited books, peer-reviewed journals, monographs, and research reports.

The Center's journal, *Kasarinlan: Philippine Journal of Third World Studies*, has been providing a forum for critical and interdisciplinary perspectives on the Philippines and the Third World with special reference to political economy.

Recent publications/co-publications of the Center include *Marxism in the Philippines: Continuing Engagements* (2010), *Revisiting Marxism in the Philippines* (2010) and *Developing a Human Security Index for the Philippines: An Exploratory Study in Selected Conflict Areas* (2010). Past publications include *People, Profit, and Politics: State-Civil Society Relations in the Context of Globalization* (2006), *Philippine Civil Society and the Globalization Discourse* (2004), *People's Initiatives: Engaging the State in*

Local Communities in the Philippines and Thailand (2003), Sama-Sama: Facets of Ethnic Relations in Southeast Asia (1999), and the Philippine Democracy Agenda series (1997).

- Training and Advocacy

TWSC serves as a forum for the articulation and analyses of various issues, as well as a mechanism for dialogue and debate among scholars, government actors and the larger society. TWSC-sponsored and co-sponsored activities provide support for class instruction, especially in courses requiring discussions on contemporary social, political, and economic concerns. Training and advocacy at TWSC is structured in the following clusters: training workshops, public lectures, public forums and conferences, and roundtable discussions.

- Exchange

To advance networking and collaboration among social science scholars locally and internationally, TWSC grants research affiliation to students, faculty, and researchers who specialize in political economy and development issues, with particular interest in the Philippines. The affiliation offers institutional support and provides for a Visiting Research Fellow position in the university. TWSC also has a Volunteer-Internship Program designed for undergraduate, graduate, and foreign exchange students of the University of the Philippines who specialize in development studies, with particular interest in critical political economy, democratization and political culture.

Functions of the Unit

- Research
- Training/Continuing education
- Publication
- Academic – non-degree granting

<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Social Sciences and Philosophy – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	☎ 9818500 local 2442, 2488; 9205428 ✉ uptwsc@gmail.com

COLLEGE OF SOCIAL SCIENCES AND PHILOSOPHY UP POPULATION INSTITUTE



<i>Date Established</i>	<p>20 November 1964 – In its 728th meeting, the Board of Regents (BOR) approved the establishment of a Population Institute (UPPI) as a separate unit of the University, headed by a Dean. The UPPI's original location was in the Padre Faura campus of the University, now UP Manila.</p> <p>25 November 1982 – In the 955th meeting, the BOR approved the transfer and attachment of the UPPI to the College of Arts and Sciences in UP Diliman. Thereafter the Institute was headed by a Director. With the creation of the College of Social Sciences and Philosophy in 1983, UPPI became one of the units under the new college.</p>
<i>Mandate/Mission</i>	<ul style="list-style-type: none"> • To prepare students for professional careers as demographers in research and teaching posts; • To pursue a program of research on population that gives emphasis both to emerging technical developments in Demography and to research areas related to population that are significant for planning and program management purposes; • To provide technical assistance to government organizations (primarily the Commission on Population, National Statistics Coordination Board, National Statistics Office) and NGOs working on population concerns

*Flagship Programs and/or
Major Activities*

- Academic programs

1. Master of Arts in Demography – geared towards the development of demographic expertise that will enable graduates to engage in high-level research or in teaching demography courses
2. Master in Population Studies – this program is aimed at practitioners who are expected to have a multidisciplinary perspectives in dealing with population and development interrelationships

- Research programs

The UPPI undertakes cutting-edge research in population and related fields in the Philippines that are geared to address the needs of both government and the private sector for updated information on population trends and processes both as academic concerns and as inputs in the formulation of development plans and policies.

UPPI pioneered the study of adolescent sexuality in 1982 with the first round of the Young Adult Fertility and Sexuality Study (YAFS). It has conducted two more rounds of the survey in 1994 and 2002 and is due to begin the fourth round in 2013. It has also conducted the first national survey on aging in the Philippines in 1996 with a follow-up survey in 2000.

The UPPI is known nationally for conducting nationally representative surveys with rigorous research designs. The UPPI faculty also conducts extensive secondary data analysis of Philippine censuses and nationally-representative data sets of the National Statistics Office (NSO).

The Institute maintains a Population Data Archive that can be accessed for secondary data analysis by students and other researchers. Samples of data sets in these archives are the Philippines censuses, the National Demographic and Health Survey

(NDHS) Series, other NSO surveys, the UPPI's own data sets including the YAFS and the Philippine Elderly Studies of 1996 and 2000.

Recent UPPI research projects include:

1. A Study on Young Professionals Working in Call Centers – conducted in June – December 2009 in partnership with the Commission on Population (POPCOM)
2. A Study on Young Professionals Working in Selected Non-Call Centers and Conduct of Research Utilization Workshop – also in partnership with POPCOM, this project was undertaken in November – December 2009
3. Data collection phase of the nationwide survey on Young Adult Fertility and Sexuality – conducted in April – August 2010 in collaboration with the United Nations Fund for Population Activities (UNFPA)
4. Parental Involvement in Adolescent Health and Development – this POPCOM-funded project was conducted in July – December 2010
5. Evaluation of the Responsible Parenthood and Natural Family Planning (RP-NFP) Program – conducted in September – December 2010 in collaboration with POPCOM
6. Technical report on Evaluation of Pupils' Performance after Exposure to ARH Modules: A Process Documentation to Support the Quantitative Evaluation – a collaboration with the Department of Education (DepEd) and was conducted in September – November 2011
7. Parental Involvement in Adolescent Health and Development Monograph – conducted in October – December 2011 in partnership with POPCOM
8. Evaluation of the Responsible Parenthood and Natural Family Planning (RP-NFP) Program Monograph – this project with POPCOM was undertaken in October – December 2011

- Extension programs

As part of its mandate, UPPI continues to backstop government agencies such as the Commission on Population (POPCOM), National Statistics Office (NSO), and National Statistical Coordination Board (NSCB) on matters related to population.

The UPPI also conducts regular short-term trainings such as the 5-day Data Analysis using the Statistical Packages for Social Sciences (SPSS), Training on Advanced Statistical Analysis, Survey Research Methods and Basic Demography Course.

Functions of the Unit

- Academic – degree granting
- Research
- Extension/Outreach
- Consultancy
- Training/Continuing education

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

College of Social Sciences and Philosophy – Academic

Head of Unit's Position

Director

Contact Details

🌐 www.drdf-uppi.net
☎ 9818500 local 2468; 9205402
✉ popinst@upd.edu.ph

COLLEGE OF SOCIAL WORK AND COMMUNITY DEVELOPMENT RESEARCH AND EXTENSION FOR DEVELOPMENT OFFICE

<i>Date Established</i>	November 1989
<i>Mandate/Mission</i>	The Research and Extension for Development Office (REDO) is the academic non-teaching unit of the College of Social Work and Community Development (CSWCD). Its main thrust is to assist the teaching departments in curriculum development and enrichment through its research and extension.
<i>Flagship Programs and/or Major Activities</i>	<p>To realize the Vision, Mission and Goals (VMG) of the CSWCD, REDO undertakes research and extension activities in line with the following themes:</p> <ul style="list-style-type: none">• Disaster Risk Reduction and Management• Social Protection• Governance and Peace• Migration <p>REDO undertakes program and project proposal development, implementation and evaluation in the realm of social development. It also synthesizes experiences in development work. Research outputs are disseminated through publication, fora, roundtable discussion and symposia.</p> <p>The Office also conducts continuing education and other programs for its partners and other social development practitioners. REDO is also actively involved in various advocacy efforts to address issues that are in consonance with the vision, mission, and goals of CSWCD. In the same vein, it provides technical assistance to both public and private organizations, LGUs and NGOs. It also produces training and teaching materials for curriculum and field practice enrichment.</p>
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Extension/Outreach• Publication

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

Home Institution 1 and Nature of Home Institution Not applicable

Home Institution 2 and Nature of Home Institution College of Social Work and Community Development – Academic

Head of Unit's Position Director

Contact Details ☎ 9818500 local 4107; 9242143

SCHOOL OF STATISTICS EXTENSION SERVICES

Date Established 1 June 1990

Mandate/Mission Provide continuing non-formal statistics education to industry and government

Flagship Programs and/or Major Activities Biannual offering of training modules such as Basic Statistics with Exploratory Data Analysis, Applied Forecasting, and Statistics for Market Segmentation and Predictive Modeling

Functions of the Unit

- Training/Continuing education
- Consultancy
- Extension/Outreach

Home Institution 1 and Nature of Home Institution Not applicable

Home Institution 2 and Nature of Home Institution School of Statistics – Academic

Head of Unit's Position Director

Contact Details 🌐 www.stat.upd.edu.ph
☎ 9280881

ASIAN INSTITUTE OF TOURISM



<i>Date Established</i>	26 February 1976
<i>Mandate/Mission</i>	<p>The UP Asian Institute of Tourism (AIT) is the premier institution of tourism education in the Philippines. It is the first school in Southeast Asia to offer a four-year degree program leading to a Bachelor of Science in Tourism.</p> <p>Its Vision is to be a “world-class provider of tourism education, research and extension services, and to lead human tourism capital development in the Philippines and the Southeast Asian Region” and its Mission is “to develop innovative leaders in tourism development and to provide relevant education, research, extension services and serve the needs of our students, alumni, the tourism industry, government, local communities, and other stakeholders, in a manner that optimize resources.”</p>
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none"> • B.S. Tourism program – this is a four-year course that aims to develop leaders, entrepreneurs, managers, and qualified personnel for the tourism industry. • Research and extension services – these are undertaken through the Division of Research, Training and Extension Services (DTRES). The most recent projects of AIT include the: <ol style="list-style-type: none"> 1. Development of the Guidelines in the Establishment and Designation of Tourism Enterprise Zones and the Administration of Incentives under RA 9593 2. Capability Building Programs for LGUs, DOT and TIEZA 3. Preparation of Tourism Master Plans 4. Quezon City Tourism Council Plans and Programs
<i>Functions of the Unit</i>	<ul style="list-style-type: none"> • Academic – degree granting • Research • Training/ Continuing education • Consultancy

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Not applicable
<i>Head of Unit's Position</i>	Dean
<i>Contact Details</i>	http://ait.upd.edu.ph/ 9818500 local 2796; 9223894

ASIAN INSTITUTE OF TOURISM DIVISION OF TRAINING, RESEARCH AND EXTENSION SERVICES

<i>Date Established</i>	26 February 1976
<i>Mandate/Mission</i>	The Division of Tourism Research and Extension Services (DTRES) has been at the forefront of tourism research and extension work in the Philippines since the late 1970s. It has been conducting ground-breaking studies for the Department of Tourism, most notably the <i>International Visitor Sample Surveys</i> and <i>Domestic Travel Surveys</i> . It has also been an active partner in the development of values, skills, and knowledge in different aspects of tourism management and operations among various public entities of the industry.
<i>Flagship Programs and/or Major Activities</i>	DTRES offers customized and turn-key training modules for local government units, national agencies, tourism and hospitality educators, entrepreneurs, and students.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Training/ Continuing education• Consultancy
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable



<i>Home Institution and Nature of Home Institution</i>	Asian Institute of Tourism – Academic
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	http://ait.upd.edu.ph/ 9818500 local 2798; 9269442

SCHOOL OF URBAN AND REGIONAL PLANNING TRAINING AND EXTENSION SERVICES DIVISION

<i>Date Established</i>	February 1968 The then Institute of Planning (now School of Urban and Regional Planning or SURP) began offering trainings in planning, following the issuance of Memorandum Circular 156 by then Executive Secretary Rafael M. Salas, which urged government agencies and government-owned or controlled corporations to sponsor their employees who wished to receive training or graduate education in planning.
<i>Mandate/Mission</i>	The Training and Extension Services Division is mandated to provide capability-building and training in areas related to urban and regional planning.
<i>Flagship Programs and/or Major Activities</i>	The Division has conducted innumerable capability-building programs, trainings, workshops and forums for all levels of governments from the national down to the municipal level, the private sectors, and non-governmental organizations (NGOs). The long and extensive experience of the Division in education, training, and government extension services, backed up by a pool of varied and faculty staff expertise, is the strongest assurance of the Division's quality public service. Its core competencies in training are as follows: <ul style="list-style-type: none">• Urban Planning – SURP has developed a track record of administering training programs on the following aspects of urban growth

management: Climate change adaptation, Disaster risk reduction and management, Urban redevelopment, Metro-area development planning, Open space planning and management, Housing, Zoning preparation and administration, Land use planning, Infrastructure and utilities planning, Site planning, Transport planning, and Participatory planning techniques

- Regional Planning – the training programs focus on the following specialized fields: Rural settlements planning, Landscape evaluation, Coastal zone planning, River basin planning, Industrial estate planning, Land consolidation, Regional planning, Regional transport planning, Integrated area development planning, Resource management and development, and Watershed planning and management

The Division offers the following regular courses and training programs:

- First Quarter (January-March): Special Course on Urban Transportation Planning and Management
- Second Quarter (April-June): Special Course on Urban and Regional Planning: Rationalizing the Local Planning System
- Third Quarter (July-September): Special Course on Environmental Planning and Management
- Fourth Quarter (October-December): Various special or customized training programs

Functions of the Unit

- Training/Continuing education
- Extension/Outreach

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

School of Urban and Regional Planning – Academic/Training

Head of Unit's Position

Director

Contact Details

☎ 9818500 local 4082; 9262120



OFFICE OF THE VICE-CHANCELLOR
FOR ACADEMIC AFFAIRS
**DILIMAN INTERACTIVE LEARNING
CENTER**



<i>Date Established</i>	06 October 2003
<i>Mandate/Mission</i>	The Diliman Interactive Learning Center (DILC) was established to assist in designing, developing, and evaluating digital instructional materials for use in the various courses offered in the University. It provides a testbed venue for much needed Filipino produced instructional materials. Moreover, it aims to contribute to the University's research and development efforts by providing facilities and technical expertise to faculty members who are interested in designing and developing digital instructional resources.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• UvLe (uvle.upd.edu.ph) – an online course management system• DILC website (dilc.upd.edu.ph) – a repository of multimedia materials (podcast, vodcast, learning objects) and a platform of online conversation• iskstreaming (iskstreaming.upd.edu.ph) – an audio streaming service• iskWiki! – a community wiki of the UP• iskspace – an interactive map of UP• Videoconference• Training on technology integration in teaching and learning• obletorr – a torrent tracking device• Webcast• Instructional Materials Development – DILC offers grants to UP Diliman faculty who want to develop interactive instructional materials for their classes.• greatideas.ph – a project designed to highlight a diversity of great ideas at its online portal and through a series of events. Aside from the direct beneficiaries of the project, resources generated from its activities will also support the training program of the DILC for the UP Faculty and other constituents.

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

	<ul style="list-style-type: none">• Sept. 2012 – DZUP online streaming.• DILC Ticket System – An issue tracking system that allows us to address all service-related concerns the soonest possible time
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Research• Creative Work• Extension/ Outreach• Training/ Continuing education• Administrative
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Office of the Vice-Chancellor for Academic Affairs – Administrative
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	 http://dilc.upd.edu.ph  9818500 local 2058; 9209556

OFFICE OF THE VICE-CHANCELLOR
FOR STUDENT AFFAIRS
**DILIMAN LEARNING RESOURCE
CENTER**



<i>Date Established</i>	17 April 1997
<i>Mandate/Mission</i>	To supplement, complement and coordinate all learning assistance programs and instructional support services to students in each campus and to ensure that the goal of promoting academic excellence will be realized in a more caring and nurturing environment.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Instructional and supportive services to students (especially to freshmen)• Tutorial services (one-on-one and group tutorials)• Use of modules and sample exams• Simulated examinations• Computer services (typing, printing, scanning and internet)
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Extension/ Outreach
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	Office of the Vice-Chancellor for Student Affairs – Administrative
<i>Head of Unit's Position</i>	Director
<i>Contact Details</i>	☎ 9858100 local 4622; 9275802

OTHER UNITS

The eight units in this section were initially included in the inventory since they, like the RCWEUs in this compilation, have the term “center”, “laboratory” or “extension” in their name. However, these eight units do not directly undertake research, creative work and extension activities. Nonetheless, they provide crucial support to the research, creative work and/or extension undertakings of their respective home institutions.



COLLEGE OF ARCHITECTURE
ARCHITECTURAL COMMUNICATION
STUDIO LABORATORY

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	From Architectural Presentation, the studio laboratory is renamed as Architectural Communication to capture the intended shift of focus from techniques to expression. While the honing of students' presentation skills is still deemed important, exercises aimed at improving their capabilities to communicate meanings and concepts using various media, will be given more time and weight.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Workshops/seminars on Architectural Design and Rendering Software Programs• Workshops/seminars on manual Architectural Rendering and Model Making• Institution of new courses in Computer-Aided Design and Rendering entitled "Introduction to Computer-Aided Design" and "Digital Visualization in Architecture"
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	<ul style="list-style-type: none">• http://upca.upd.edu.ph/studiolaboratoriesarchitecturalcommunication.htm• 9818500 local 3134 to 3136; 4332280

COLLEGE OF ARCHITECTURE
**ARCHITECTURAL DESIGN STUDIO
LABORATORY**

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	The academic thrust of this studio laboratory is based on a framework that intends to produce graduates that are adequately prepared to proceed to varied fields of practice. The first three years comprising of six Architectural Design courses are geared at the basic and general knowledge that will enable students to appreciate the total realm of architecture. The fourth year is offered with options leading to particular fields of interest such as Urban Design, Housing, Building Science and People-Environment Studies.
<i>Flagship Programs and/or Major Activities</i>	<ul style="list-style-type: none">• Design and Discourse Publication – A yearbook of thesis architectural design works in print• Architectural Design Studio Webpage – Provides online a visual and descriptive database of the best student architectural design works
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	<ul style="list-style-type: none">🌐 http://upca.upd.edu.ph/studiolaboratoriesarchitecturaldesign.htm☎ 9818500 local 3134 to 3136; 4332280

COLLEGE OF ARCHITECTURE
**PRACTICE AND GOVERNANCE STUDIO
LABORATORY**

<i>Date Established</i>	2002
<i>Mandate/Mission</i>	The Practice and Governance Studio Laboratory's (PGSL) courses are envisioned to introduce the students to the full range of career paths that they can pursue after graduation. As such, the academic thrust of PGSL will shift from one that is heavy on discussions on private architectural design practice to one that will cover matters leading to practice in the academe, in research, building administration/maintenance, in the public sector and others.
<i>Flagship Programs and/or Major Activities</i>	Information dissemination of the UAP Documents, National Building Code, work ethics, etc.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	College of Architecture – Academic
<i>Head of Unit's Position</i>	Head
<i>Contact Details</i>	http://upca.upd.edu.ph/studiolaboratoriespracticeandgovernance.htm ☎ 9818500 local 3134 to 3136; 433 2280

COLLEGE OF HOME ECONOMICS
DEPARTMENT OF CLOTHING, TEXTILES
AND INTERIOR DESIGN
**THE CRAFTS AND INTERIOR DESIGN
LABORATORY**

<i>Date Established</i>	1961
<i>Mandate/Mission</i>	The Crafts and Interior Design Laboratory (CIDL) serves as a research and development unit for the Bachelor of Science in Clothing Technology (BSCT) and Bachelor of Science in Interior Design (BSID) programs. This is where actual garments, apparel and interior design accessories and finishes are produced by BSCT and BCID students during their laboratory classes. For the BSCT, it also serves as resource center for the study of different draping techniques, pattern-drafting and clothing construction. Likewise, for the BSID, it serves as a resource center for the study of interior construction material, experimental surfaces, window treatments and decorative accessories for interiors.
<i>Flagship Programs and/or Major Activities</i>	This is primarily the facility where the classes of BSCT and BSID are held.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Clothing, Textiles and Interior Design – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Home Economics – Academic
<i>Head of Unit's Position</i>	Chairperson (of the Department of Clothing, Textiles and Interior Design)
<i>Contact Details</i>	<p>🌐 http://www.che-up.com; 22/CLOTHING-TEXTILE-AND-INTERIOR-DESIGN ☎ 9818500 local 3404</p>

COLLEGE OF HOME ECONOMICS
DEPARTMENT OF HOTEL, RESTAURANT
AND INSTITUTION MANAGEMENT
**THE COLLEGE OF HOME ECONOMICS
TEAROOM**

Date Established 1961

Mandate/Mission

The existence of the CHE Tearoom is academic and economic in nature:

- To function as a training laboratory for hospitality management courses under the Department of Hotel, Restaurant and Institution Management (HRIM), College of Home Economics;
- To engage in catering services of food and beverage to make it an economically viable and financially stable unit of the College of Home Economics;
- To give service to the CHE and UP community at large by allowing the use of Tearoom facilities for special functions with reasonable rental rates; and
- To provide quality food and service to guests.

Flagship Programs and/or Major Activities

- Provision of training for HRIM laboratory classes through the Tearoom Affiliation Program;
- Purchasing, preparation and service of daily lunch and snack items from the regular a la carte menu for dine-in clients;
- Preparation of food orders for take-out or pick-up by off-premise clients such as other UP units inside the campus;
- Food and beverage preparation and service of college-sponsored activities and meetings;
- Off-premise catering for the UP community within the Diliman Campus; and
- Rental of the facility for use as a venue for special functions.

COLLEGE OF HOME ECONOMICS
DEPARTMENT OF HOTEL, RESTAURANT
AND INSTITUTION MANAGEMENT
**NEW INSTITUTION MANAGEMENT
LABORATORY**

<i>Date Established</i>	1922 – B.S. Home Economics Program 1970 – The Bachelor of Science in Hotel and Restaurant Administration was launched
<i>Mandate/Mission</i>	The New Institution Management Laboratory (NIML) functions as the Food and Beverage laboratory for students taking up B.S. Hotel, Restaurant and Institution Management.
<i>Flagship Programs and/or Major Activities</i>	The NIML serves as the laboratory to all HRIM Food and Beverage courses. It is equipped with basic institutional cooking and serving facilities to enable the students to put into practice the theories learned. The classroom part is transformed into a restaurant/ bar service area (dining room). It can cater to fifty to sixty guests per turnover.
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Department of Hotel, Restaurant and Institution Management – Academic
<i>Home Institution 2 and Nature of Home Institution</i>	College of Home Economics – Academic
<i>Head of Unit's Position</i>	Faculty-in-Charge
<i>Contact Details</i>	☎ 9818005 local 3410; 9220291

IN THE UNIVERSITY OF THE PHILIPPINES DILIMAN

NATIONAL COLLEGE OF PUBLIC ADMINISTRATION
AND GOVERNANCE
**CENTER FOR PUBLIC ADMINISTRATION AND
GOVERNANCE EDUCATION**

<i>Date Established</i>	The Academic Program became the Center for Public Administration and Governance Education (CPAGE) when the College was renamed as the National College of Public Administration and Governance (NCPAG) on 26 November 1998.
<i>Mandate/Mission</i>	The CPAGE is responsible for the implementation of NCPAG's mission to be the center of excellence in education for public administration and governance.
<i>Flagship Programs and/or Major Activities</i>	Oversees the implementation of the College's academic programs
<i>Functions of the Unit</i>	<ul style="list-style-type: none">• Administrative• Academic – non-degree granting
<i>Home Institution 1 and Nature of Home Institution</i>	Not applicable
<i>Home Institution 2 and Nature of Home Institution</i>	National College of Public Administration and Governance – Academic
<i>Head of Unit's Position</i>	Director and College Secretary
<i>Contact Details</i>	 http://www.up-ncpag.org/centers/cpage.php  9205301 to 99 local 4727; 9279085

OFFICE OF THE VICE-CHANCELLOR
FOR ACADEMIC AFFAIRS
OFFICE OF EXTENSION COORDINATION

<i>Date Established</i>	<p>Approved by the BOR in its 954th meeting on 22 October 1982</p> <p>Also provided for in President Edgardo J. Angara's Executive Order No. 5, 23 March 1983, "On the Reorganization of the Administration of the University of the Philippines Diliman"</p> <p>Note: The OEC became operational only in 1994, with Dr. Corazon Gatchalian as the first Director</p>
<i>Mandate/Mission</i>	<p>As per BOR approval, 22 October 1982:</p> <p>"The Office of Extension Coordination shall perform the following functions: (a.) monitor, review and coordinate the extension and/or consultancy activities of operating units; (b.) generate data and other information needed for planning purposes or policy/rules formulation; (c.) enforce policies, rules, standards and basic procedures on extension services and consultancy activities.</p> <p>It may initiate or formulate consultancy project proposals for funding external agencies."</p> <p>As per Executive Order No. 5, 23 March 1983, UP Gazette Volume XIV Number 1:</p> <p>"The Office of Extension Coordination shall perform the following functions: (a.) monitor, review and coordinate the extension activity of operating units; (b.) generate data and other information needed for planning purposes or policy/rules formulation; and, (c.) enforce policies, rules, standards and basic procedures on extension services. It shall also assist in establishing linkages with government agencies."</p>

As practiced by UP Diliman since 1994:

The OEC aims to:

- Act as a catalyst in fostering a stimulating environment that offers vast opportunities for high level scholarly exchange with distinguished visiting professors and fellows;
- Encourage and support extension programs that promote inter- and cross-faculty collaboration that would advance a greater understanding of complex issues and problems confronting Philippine society, with the end in view of contributing to the efforts to address these problems; and
- Identify and promote best practices in extension programs and initiatives of the various units in UP Diliman to set standards of excellence.

Flagship Programs and/or Major Activities

- Initiates and assists in establishing linkages with international/local institutions in support of UP Diliman's academic programs
- Facilitates the exchange of students and visiting professors with partner universities
- Coordinates and collects data on extension services of operating UP Diliman units
- Enforces policies and procedures on the limited practice of profession by the faculty members

Functions of the Unit

- Administrative

Home Institution 1 and Nature of Home Institution

Not applicable

Home Institution 2 and Nature of Home Institution

Office of the Vice-Chancellor for Academic Affairs – Administrative

Head of Unit's Position

Director

Contact Details

 <http://ovcaa.upd.edu.ph/oec/>
 9818500 local 2561; 9266590

**OFFICE OF THE VICE-CHANCELLOR FOR RESEARCH AND DEVELOPMENT
UNIVERSITY OF THE PHILIPPINES DILIMAN**

ORGANIZATIONAL STRUCTURE

Vice-Chancellor for Research and Development

Benito M. Pacheco, Ph.D.

Research Dissemination and Utilization Office (RDUO)

Director: Violeda A. Umali, Ph.D.

Publication Section

Administrative Officer IV: Narita E.C. de las Alas
Administrative Officer IV: Epifania M. Domingo
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