



United Architects of the Philippines

The Integrated and Accredited Professional Organization of Architects

PHILIPPINES ARCASIA REPORT *ARCASIA Council Meeting 2011* 16th Forum of Asian Architects DANANG, VIETNAM August 2011

I. Architectural School Program

In the Philippines, all Higher Education Institute (HEIs) are governed by the Commission on Higher Education (CHED). All programs professional or non-professional are under its supervision through its CHED Memorandum Orders (CMO).

Under the Program of Architecture CHED has issued CMO No. 61 Series of 2006 subject of which is the “**POLICIES, STANDARDS AND GUIDELINES (PSG) FOR THE BACHELOR OF SCIENCE IN ARCHITECTURE**”. Under this CMO, the Bachelor of Science in Architecture’s objectives are as follow;

1. Ensure mastery of comprehensive architectural knowledge, both in theory and practice, and proficiency of skills by the graduates in accordance with the scope of the practice of architecture as provided for in the Republic Act 9266 and its implementing rules and regulations.
2. Inculcate to the students an abiding faith in God, the value of honor and sense of responsibility, sanctity of home, dignity of labor and love of country and fellowmen.
3. Promote academic freedom and congenial atmosphere that is conducive to effective teaching and learning process and receptiveness to new ideas and knowledge through scientific research;
4. Direct and focus the thrust of architecture education to the needs and demands of society and its integration into the social, economic, cultural and environmental aspects of nation building.
5. Infuse a high sense of intellectual capability to seek for the truth, experience new fields and endeavor to enhance the quality of life;
6. Develop the ability and the capacity to analyze facts, to think critically and to express ideas effectively;
7. Instill appreciation of the basic philosophy and the fundamental principles of the multi-dimensional aspects of architecture, understanding of the direct relationship between man and his



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The graduates Competency Standards for the Bachelor of Sciences in Architecture are as follows:

DUTIES	COMPETENCIES
1. DEVELOP COMMUNICATION SKILLS	1.1 Able to use various forms of ICT media for design concept presentations. 1.2 Able to prepare basic communication, and present technical narrative reports and other project documentation in written and oral form.
2. INITIATE AND CONDUCT ARCHITECTURAL RESEARCH AND DEVELOPMENT FOR THE ADVANCEMENT OF THE PROFESSION	2.1 Can formulate Guidelines on research and development programs including sourcing of funds. 2.2 Able to identify needs and problems for architectural research 2.3 Able to apply research or appropriate data methodologies in information gathering. 2.4 Able to process, analyze, interpret and derive conclusions and make recommendations. 2.5 Able to present and defend the research output 2.6 Able to evaluate architectural research based on established criteria.
3. THE BUILT IN THE CONTEXT OF ECOLOGICAL BALANCE AND SUSTAINABLE DEVELOPMENT; AND CONSERVATION OF CULTURAL AND HISTORICAL HERITAGE DESIGN ENVIRONMENT	3.1 Able to relate history and theories of arts and architecture, technologies and human sciences to ecology and sustainable development.
4. PROVIDE PROFESSIONAL SERVICES IN THE REALM OF THE SCOPE OF PRACTICE OF	4.1 Can efficiently and effectively deliver services in response to the needs of clients within the context



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ARCHITECTURE	<p>of the practice of architecture.</p> <p>4.2 Able to conduct post evaluation of completed projects / services.</p>
5. MAINTAIN ACTIVE MEMBERSHIP IN THE ACCREDITED PROFESSIONAL ORGANIZATION TO ESTABLISH LOCAL AND INTERNATIONAL LINKAGES AND NETWORKS	<p>5.1 Able to possess leadership quality.</p> <p>5.2 Able to cooperate and collaborate with colleague</p> <p>5.3 Able to plan and organize activities</p> <p>5.4 Able to network with local and international agencies and institutions</p>
6. PARTICIPATE LEGISLATIVE ACTIVELY IN AND POLICY CONCERNMAKING AFFECTING THE PROFESSION.	<p>6.1 Know the laws, rules and regulations relevant to the practice</p> <p>6.2 Able to develop awareness of relevant laws, rules and regulations.</p>
7. PARTICIPATE IN THE EVALUATION OF THE ARCHITECTURAL EDUCATION PROGRAM AND ITS RELEVANCE TO CURRENT TRENDS AND DEVELOP	<p>7.1 Able to participate actively in the evaluation process for the improvement of architectural education programs.</p>
8. ACT AS MENTORS TO THE ASPIRANTS OF THE PROFESSION THROUGH DIVERSIFIED TRAINING AND APPRENTICESHIP PROGRAM.	<p>8.1 Able to initiate the development of a systematic linkage between the academe and the accredited professional organization.</p> <p>8.2 Able to guide and supervise the diversified training of aspirants to the profession</p>
9. UPHOLDS THE DIGNITY AND INTEGRITY OF THE PROFESSIONAL AND PROMOTES THE HIGHEST ETHICAL STANDARDS IN THE PRACTICE OF THE PROFESSION	<p>9.1 Able to observe and abide by the code of ethical conduct and standards of professional practice.</p> <p>9.2 Able to report violations of professional laws and codes to appropriate authorities.</p>
10. DEVELOP CONCEPTUAL	<p>10.1 Able to study the fundamentals of</p>



KNOWLEDGE IN BUILDING SCIENCE AND TECHNICAL SYSTEM.	building utilities and systems. 10.2 Able to promote awareness of and apply in practice the principles of public safety.
11. UNDERSTAND ARCHITECTURAL BUSINESS AND ORGANIZATION	11.1 Able to understand the basic concepts, tools and areas of application of business and office management. 11.2 Able to supervise and monitor the performance of project milestone and operational targets. 11.3 Able to plan and allocate resources. 11.4 Able to plan and deploy workload. 11.5 Able to prepare budgets and monitor utilization. 11.6 Able to comply with quality, cost and delivery standards.

Curriculum Description

The BS Architecture program has a total of 232 credit units. The program includes general education, technical courses (mathematics, natural sciences, basic engineering sciences, professional, allied, and technical elective courses , architecture comprehensive course and the non-academic courses-PE and NSTP).

The general education courses are in accordance with the requirements of the CHED Memorandum Order No. 59, s. 1996

The New General Education Curriculum B (GEC -B).

The technical courses include a total of 13 units Mathematics; 9 units of Natural Sciences and 18 units of Basic Engineering Courses.



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The curriculum has 36 professional courses with a total of 115 units, three specialization courses with a total of 9 units and a 3 units architecture comprehensive course.

The architecture comprehensive course must be taken on the fifth year level.

CLASSIFICATION/FIELD/COURSE	Total No. of Hours		Total No. of Units
	Lecture	Lab/Studio	
I. TECHNICAL COURSES			
A. Mathematics			
College Algebra	3	0	3
Plane Trigonometry	3	0	3
Analytic Geometry	2	0	2
Solid Mensuration	2	0	2
Differential and Integral Calculus	3	0	3
Sub-Total	13	0	13
B. Natural Science			
Physics 1	2	3	3
Physics 2	2	3	3
Science, Environment and Society	3	0	3
Sub-Total	7	6	9
C. Basic Engineering Courses			
Statics of Rigid Bodies	3	0	3



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CLASSIFICATION/FIELD/COURSE	Total No. of Hours		Total No. of Units
	Lecture	Lab/Studio	
Strength of Materials	3	0	3
Theory of Structures	3	0	3
Steel and Timber Design	3	0	3
Architectural Structures	3	0	3
Surveying	2	3	3
Sub-Total	17	3	18
D. Allied Courses			
Architectural Visual Communications 1- Graphics 1	1	6	3
Architectural Visual Communications 2- Visual Techniques 1	1	3	2
Architectural Visual Communications 3 - Graphics 2	1	6	3
Architectural Visual Communications 4 - Visual Techniques 2	1	3	2
Architectural Visual Communications 5 - Visual Techniques 3	1	3	2
Sub-Total	5	21	12
E. Professional Courses			
Architectural Design 1 - Introduction to Design	1	3	2
Architectural Design 2-Creative Design Fundamentals	1	3	2
Architectural Design 3 □ Creative Design in Architectural Interiors	1	6	3
Architectural Design 4 - Space Planning 1	1	6	3
Architectural Design 5 - Space Planning 2	1	9	4
Architectural Design 6 - Site Development Planning and Landscaping	1	9	4
Architectural Design 7 - Community Architecture and Urban Design	1	12	5
Architectural Design 8 - Design of Complex Structures	1	12	5
Architectural Design 9 - Thesis Research Writing	1	12	5
Architectural Design 10-Thesis Research Application	1	12	5
Theory of Architecture 1	2	0	2



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CLASSIFICATION/FIELD/COURSE	Total No. of Hours		Total No. of Units
	Lecture	Lab/Studio	
Theory of Architecture 2	3	0	3
Architectural Interiors	2	3	3
Building Technology 1 □ Building Materials	3	0	3
Building Technology 2-Construction Drawings in Wood, Steel and Concrete (1 Storey Building)	2	3	3
Building Technology 3 - Construction Drawings in Wood, Steel and Concrete (2 Storey Building)	2	3	3
Building Technology 4 - Specification Writing and Quantity Surveying	2	3	3
Building Technology 5 - Alternative Building Construction Systems	2	3	3
Building Utilities 1 (BU 1) - Plumbing and Sanitary Systems	3	0	3
Building Utilities 2 (BU 2) □ Electrical, Electronics and Mechanical Systems	3	0	3
Building Utilities 3 (BU 3) - Acoustics and Lighting Systems	3	0	3
History of Architecture 1	3	0	3
History of Architecture 2	3	0	3
History of Architecture 3	3	0	3
History of Architecture 4	3	0	3
Professional Practice 1 (Laws Affecting the Practice of Architecture)	3	0	3
Professional Practice 2 (Administering the Regular Services of the Architecture)	3	0	3
Professional Practice 3 (Global Practice for the 21st Century)	3	0	3
Planning 1 - Site Planning and Landscape Architecture	3	0	3
Planning 2 - Fundamentals of Urban Design and Community Architecture	3	0	3
Planning 3 - Introduction to Urban and Regional Planning	3	0	3
Computer-Aided Design & Drafting for Architecture 1	1	6	3
Computer-Aided Design & Drafting for Architecture 2	1	6	3
Research Methods for Architecture	3	0	3



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CLASSIFICATION/FIELD/COURSE	Total No. of Hours		Total No. of Units
	Lecture	Lab/Studio	
Tropical Design	3	0	3
Housing	3	0	3
Sub-Total	78	111	115
F. Architecture Comprehensive Course	3	0	3
G. Specialization Courses			
Specialization 1	3	0	3
Specialization 2	3	0	3
Specialization 3	3	0	3
Sub-Total	9	0	9
TOTAL (Technical Courses)	132	141	179
II. NON- TECHNICAL COURSES (ALTERNATIVE GEC-B)			
A. Languages, Humanities and Literature			
English 1	3	0	3
English 2	3	0	3
English 3- Technical Report Writing	3	0	3
Pilipino 1	3	0	3
Pilipino 2	3	0	3
Philosophy	3	0	3
Humanities	3	0	3
Literature 1	3	0	3
Sub-Total	24	0	24
B. Social Sciences			
General Psychology	3	0	3
Taxation and Agrarian Reform	3	0	3
Politics and Governance with New Constitution	3	0	3



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CLASSIFICATION/FIELD/COURSE	Total No. of Hours		Total No. of Units
	Lecture	Lab/Studio	
Sociology/ or Anthropology	3	0	3
Sub-Total	12	0	12
C. Mandated Subject			
Life and Works of Rizal	3	0	3
Sub-Total	3	0	3
TOTAL (Non- Technical Courses)	39	0	39
III. NON- ACADEMIC (MISCELLANY) COURSES			
PE 1			2
PE 2			2
PE 3			2
PE 4			2
NSTP 1			3
NSTP 2			3
Sub-Total			14
TOTAL (Non- Academic Courses)			14
GRAND TOTAL	171	141	232

Suggested Specialization Courses

- Community Planning Development
- Urban Design
- Construction Management
- Project Management
- Facilities /Building Administration
- Geographic Information System (GIS)



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However is some architectural schools run by religious orders, an additional 12 to 18 units of Theology are added and are considered as institutional requirements.

1. Key Issues in Architectural Education
 - Semesters are units heavy reaching 31 units in some semesters
 - General Education Courses are repeated in tertiary level causing units heavy semester reaching 31 units in some semesters
 - 2 year apprenticeship program can not be accommodated or done during the tertiary level causing an additional 2 years before taking the licensure examination;
 - some architectural schools have adapted a tri semester and quad semester format making it difficult for some architecture student to cross enroll or transfer ;

2. CPD PROGRAM

The Continuing Professional Development (CPD) in the Philippines particularly in the profession of Architecture is initiated by the United Architects of the Philippines (UAP) under the supervision of the Professional Regulatory Board of Architecture (PRBoA).

Lectures, Seminars and Trainings are registered with the PRBoA and if accepted Continuing Professional Education Units are awarded to attendees which are necessary for renewal of professional licences.

UAP have also signed Memorandum of Agreements (MOA) with HEI for the deployment of some of its CPD Programs namely the University of Santo Tomas and Mapua Institute of Technology. Programs develop with these two universities are Heritage Conservation and Architecture Education, respectively.

Partipants to this program are granted 3 graduate units for every course/lecture they attend. These programs are terminated by subjecting the participants to evaluation examinations.

In order to promote these CPD programs and make it accessible to architects in the different regions in the country, the lecturers are brought to the different regions to conduct the lecture through the local UAP Chapter.

Some lectures/seminars are also given during National assemblies.

3. Registration and License Requirement



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- a. Requirements for initial license
- i. Graduate of B.S. in Architecture;
 - ii. Must have completed a minimum of 3840 hours of apprenticeship under the supervision of a Filipino registered architect as stated in the UAP doc No. 210; (see table below)

DT FORM 001

LOG SHEET OF DIVERSIFIED TRAINING FOR ARCHITECTS LICENSURE EXAMINATION

Candidate				SHEET NO. of	
SUMMARY					
FIELD OF PRACTICE	% (MAX.)	MINIMUM CREDIT HOURS	TOTAL NO. OF HOURS ACCOMPLISHED	REMARKS (To be filled up by PRC)	
A. ARCHITECTURAL DESIGNING/DRAFTING, STRUCTURAL CONCEPTUALIZATION, PLANNING & THE LIKE	30%	1152 hrs.			
B. PREPARATION OF CONTRACT DOCUMENTS, SPECIFICATIONS WRITING, BILL OF MATERIALS, COST ESTIMATES, GENERAL CONDITIONS, BIDDING DOCUMENTS, CLERK OF WORKS AND THE LIKE	25%	960 hrs.			
C. FIELD SUPERINTENDENCE, PROJECT MANAGEMENT ADMINISTRATION & THE LIKE	15%	576 hrs.			
D. TECHNICAL, ECONOMIC AND FINANCIAL FEASIBILITY STUDIES, PROJECT PROMOTIONAL, PRE-DESIGN & THE LIKE	10%	384 hrs.			
E. ARCHITECTURAL LAY-OUTING OF MECHANICAL, ELECTRICAL, ELECTRONIC, SANITARY, PLUMBING, COMMUNICATIONS AND OTHER UTILITY SYSTEMS, EQUIPMENT AND FIXTURES ARCH'L LIGHTING, ACOUSTICS AND ALLIED FIELDS OF PRACTICE	10%	384 hrs.			
F. ARCHITECTURAL INTERIORS/SPACE PLANNING, RESTORATION/ PRESERVATION AND OTHER ANCILLARY SERVICES	10%	384 hrs.			
TOTAL	100%	3840 hrs.			

NOTE: TRAINEE MUST ACCOMPLISH THE MINIMUM NUMBER OF HOURS REQUIRED CREDIT FOR EACH FIELD OF PRACTICE OF ARCHITECTURE AS DEFINED IN R.A. 9266 AS CATEGORIZED ABOVE. EXCESS OF CREDIT HOURS IN ONE SPECIFIC FIELD WILL NOT BE CREDITED TO OTHER FIELDS OF PRACTICE.

TRAINEE'S SIGNATURE

To be filled up by the Dean or Department Head of school graduated:

SCHOOL: _____ ATTESTED BY: _____
 DATE OF GRADUATION: _____
 School Control No. _____ Dean's/Department Head's Signature above Printed Name
 IAPOA No. _____ Date Issued _____
 Expiry Date _____

PRC EVALUATION	BOARD OF ARCHITECTURE ACTION TAKEN
Document Submitted <input checked="" type="checkbox"/> Accomplished DT Form 001 <input checked="" type="checkbox"/> Accomplished DT Form 002 <input checked="" type="checkbox"/> Architect's/Mentor's Affidavit <input checked="" type="checkbox"/> Baccalaureate Transcript of Records <input checked="" type="checkbox"/> Certificate of live Birth <input checked="" type="checkbox"/> College Diploma <input checked="" type="checkbox"/> Marriage Contract <input checked="" type="checkbox"/> NBI Clearance <input checked="" type="checkbox"/> Photocopy of Mentor's Professional Identification Card, Valid PTP & IAPOA Certificate. <input checked="" type="checkbox"/> Others _____ Received by: _____ Date: _____ Time: _____	<input checked="" type="checkbox"/> Approved for Examination <input checked="" type="checkbox"/> Disapproved <input checked="" type="checkbox"/> Others: _____ _____ Chairman _____ Member _____ Member DATE: _____



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UAP DOC. 210 – Logbook of Diversified Experience

(Revised per Board of Architecture
Resolution No. 04, Series of 2005)

Figure 1 UAP DOC No. 210

- iii. Must pass the Architecture Licensure Examination (ALE)
- b. Requirements for renewal of license
- IAPOA Certificate (20 pts. CPE/CPD / year)



4. Potential for Student Exchange Program

Most architectural school will welcome the possibility of an exchange student program. However there are some criteria that have to be taken into consideration in order to make this program successful;

- a. Schedule of semesters
 - The Philippine educational system follows a bi-semester format with 5 months in every semester. 1st semester runs from June to middle of October and November to middle of March. April and May is basically the summer break and middle of December to 1st week of January is the Christmas Holiday.
- b. Tuition Fee
 - Selected participants of the exchange program may have financial difficulty in participating in the program due to the difference in fee of both institutions
- c. Credit of courses
 - The credit of courses maybe a tedious process, hence an advance review of the architecture programs of both institution must be done initially to identify in which courses the participating student will join.
 - No. of units per course should also be taken note off;
 - There is also a problem with programs that has a definite block or set of courses for a certain semester
- d. Sponsorship
 - Participating students should be assured of their accommodations during the duration of the program

5. Accreditation body and its status;

Presently, the program of architecture in the Philippines are accredited by 3 accrediting organization;

	Organization	Levels awarded
1.	Commission on Higher Education – Technical Panel for Architecture (CHeDtpAr) government	Center of Excellence Centers of Development
2.	Philippine Association of Colleges and Universities Commission on Accreditation	Levels 1 to 4



	(PACUCOA) private	
3.	Accrediting Agency of Chartered Colleges and Universities (AACCUP) government	Levels 1 to 4

6. Name and e-mail address of all accredited schools

NOT AVAILABLE A TIME OF WRITING THIS REPORT

7. Student Internship Program Condition

The Student Internship Program within the Program of Architecture is not a requirement of the CHED CMO no. 61. However some architectural school do include this in the program. Any hours taken in this Internship program is included in the apprenticeship hours log under UAP Doc. No. 210. (Rfer to Figure No. 1.

8. University and Contact List - See annex A

9. Future Plans

- a. Presently the educational system in the Philippines is undergoing major changes brought about by GATT and the Philippines inclusion in the Canberra Accord.

The Philippine Education system is broken down as follows;

	Government	Private	Total
Primary Education	Grade 1- 6	Grade 1 to Grade 7	6 / 7
Secondary Education	1 st – 4 th Highschool	1 st – 4 th Highschool	4
Undergraduate	4/5	4/5	4/5
			14 / 16

Figure 2 Distribution of public / private education in the Philippines

Due to these discrepancies in the no of years, the government has adapted a K+12 program totally revolutionizing the Philippine education system. This will also lead to the redesigning of the architecture program by reducing the General Education Courses (GECs) and reconfiguring the program. These modification will take effect in 2018.



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b. UAP Doc. No. 210

UAP Doc. No. 210 is presently undergoing revision. As mentioned previously, the present doc. No. 210 has a total of 3840 hrs.. The revised edition will have only 2000 hrs..

c. International Accreditation

Architectural school specifically the University of Santo Tomas has applied for National Architecture Accreditation Board (NAAB) partial equivalency and will have its 1st visit scheduled this November 2011.

APPENDIX A

LIST OF ARCHITECTURAL SCHOOLS IN THE PHILIPPINES (DATA PROVIDED BY CODHASP, INC.)

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