

## Mission Statement

We are a Catholic institution of learning dedicated to advancing the frontiers of knowledge in the theoretical and applied fields through quality graduate education that is comprehensive and responsive to the needs of society.

We are committed to the formation of scholars and high-quality professionals who are ethical, competent, compassionate, and committed to the service of their respective professions, the church, the nation, and the global community.

## Vision Statement

We envision a Graduate School that stands for excellence and innovation and that is globally recognized for its distinct degree programs and quality research outputs.

## Goals and Objectives

The Graduate School commits itself to develop:

1. competent professionals who, inspired by the ideals of St. Antoninus of Florence, promote excellence in the production, advancement, and transmission of specialized knowledge and skills in the sciences, the arts, and community service;
2. scholarly researchers and creative thinkers who, kindled by St. Thomas Aquinas' ardour for truth, aspire to become founts of intellectual creativity and, in their quest for quality research, are proficient and critical in assessing and communicating information in various fields that impact the professions, the church, the nation, and the global community;
3. professional Christian leaders who, touched by St. Dominic de Guzman's apostolic fire and warmed by Mary's motherly care, articulate ethics and truth, high level of moral maturity in resolving issues and promoting social justice and compassion for the poor, and care for the environment;
4. globally engaged citizens who, with ardent advocacy for life, promote a deeper understanding of tolerance and justice as well as linguistic, religious, and cultural diversities as a result of precise evaluation of modern problems and inquiries;
5. committed scholars who, nurtured by the dogmas of Christian faith and values, are dedicated to the pursuit of truth through the promotion of an intellectual culture that values academic rigor and freedom of scientific investigations; and

6. lifelong learners who, empowered by St. Antoninus of Florence's zeal for learning, are committed to the advancement of a higher culture through a continuous search for intellectual inquiries and new knowledge as well as faithfulness to Catholic intellectual traditions.

## Program Intended Learning Outcomes (PILO)

Upon successful completion of the MS Architecture in Architecture major in Physical Planning program, the graduate will be able to:

1. Demonstrates rationalized and in-depth knowledge of all the key aspects of physical planning and be able to apply them to current planning related challenges of the country.
2. Exhibit skills of critical thinking and ingenious strategies in coming up with possible solutions to current planning related challenges of the country
3. Displays the capability to take the lead and work both independently and in collaboration with other disciplines while maintaining the highest ethical conduct of a professional.
4. Exhibits the ability to access and relay important information and ideas with utmost competency.
5. Exhibits the ability to gather up-to-date global planning issues and best practices that may be beneficial to current planning related challenges of the country.
6. Displays the interest to further improve himself by showing openness to changes, accepting challenges in pursuit of resolution of planning related concerns.

## MASTER OF SCIENCE IN ARCHITECTURE MAJOR IN PHYSICAL PLANNING

### PREREQUISITE COURSES: (6 UNITS)

#### GS 500 - St. Thomas and Critical Thinking

As the philosophical foundation of Research Methodology, it is a study of the principles of and skills in critical thinking according

to St. Thomas Aquinas in the three areas of mental cognition: simple apprehension, judgment and reasoning; and of common fallacies towards the acquisition of the art of argumentation.

#### GS 501 - Research Methodology

The student is introduced to research concepts relevant to architecture and planning. Discussions center on how to prepare a thesis emphasizing choice of title, statement of the problem, sources of data, analysis and evaluation of information gathered among others.

### CORE COURSES: (9 UNITS)

#### ARCH-PP 600 - Principles and Concepts of Planning and Urban Design

Study on the different elements and theories that influences architecture, planning and urban design. This emphasizes a comparative analysis of different theories and conditions in which they were developed.

#### ARCH-PP 601 - Applied Statistics

A study on the techniques in organizing, analyzing and interpreting collected information and on the concepts of probability, random variables, discrete and continuous probability distributions, frequency distributions and descriptive measurements, sampling and sampling distributions, hypothesis testing, linear and multiple regression, and correlation.

#### ARCH-PP 602 - Housing

An interdisciplinary course on housing strategies and systems. This includes a historical look into housing development vis a vis economic development and on the problems that arise from planning in a cross-cultural setting. The course ends in the evaluation of current and past housing solutions both in terms of administrative and development strategy and architectural design.

#### ARCH-PP 603 - Facilities Planning

This course concentrates in the planning of institutional facilities that have specific cultures within their types. Areas to be explored include health facilities, military institutions, business companies, theater complexes and shopping malls. This course emphasizes with the ability to identify and design for specific cultures.

### SPECIALIZATION COURSES: (15 UNITS)

#### ARCH-PP 700 - History of Planning

This course studies historic planning concepts and movements that have influenced the profession. This included a comparative analysis of different ideologies vis a vis cultural and economic development working towards a causal analysis of the success and failure of the movement.

#### ARCH-PP 701 - Land Use Planning

Study of present conditions of existing land use development and the impact of demographics to include legislation, financial and economic policies. This emphasizes the use of present model areas and the effect of new approaches and techniques to enhance the present planning system and the application of these to a special study.

#### ARCH-PP 702 - Urban Planning Fundamentals and Strategies

Fundamentals of urban planning housing on different planning strategies. This course looks on at profiles of plan, and the different allied professions that make up the planning team. This course emphasizes the definition of a planning process that can be modified for different situations and settings.

#### ARCH-PP 703 - Regional Planning Fundamentals

Study of the planning fundamentals and concepts in a magnified scale and extent pertaining to a region which are made up of sub-cultural and economic zones and a look on each influence in a regional context.

#### ARCH-PP 704 - Human Settlements Planning

A historical analysis of post human settlement programs. This course looks into the socio/economic, geographic/climatic and cultural factors that influence the development. The emphasis is on the creation of a process for development of adaptive and responsive human settlement.

#### ARCH-PP 705 - Workshop

Application of acquired techniques in planning a specific guided study.

### COGNATE: (3 UNITS)

Any course which has substantial bearing on thesis.

### TERMINAL REQUIREMENTS: (9 UNITS)

Written Comprehensive Examinations (WCE)

TW I - 3 units (Thesis Proposal)

TW II - 3 units (Research Colloquium)

TW III - 3 units (Thesis Defense)

**Total = 42 Units**

## Summary of Program Requirements

| Degree Requirements        | units     |
|----------------------------|-----------|
| Prerequisite Courses       | 6         |
| Core Courses               | 9         |
| Specialization Courses     | 15        |
| Cognate Courses            | 3         |
| Written Comprehensive Exam | --        |
| Thesis Writing I           | 3         |
| Thesis Writing II          | 3         |
| Thesis Writing III         | 3         |
| <b>TOTAL</b>               | <b>42</b> |

### UST Graduate School Administration Officials and Faculty Set-up

MARILU R. MADRUNIO, Ph.D.  
*Dean*

FR. JOSÉ ANTONIO E. AUREADA, O.P., S.Th.D.  
*Regent*

ALEJANDRO S. BERNARDO, Ph.D.  
*Faculty Secretary*

GRECEBIO JONATHAN D. ALEJANDRO, Dr.rer.nat.  
*Director for Graduate Research*

Ar. Tobias A. Bonaobra, Ph. D.  
*Program Lead*  
Architecture

#### PROFESSORIAL STAFF

Ar. Norma I. Alarcon, Ph. D.

Arlen A. Ancheta, Ph.D.

Ar. Tobias A. Bonaobra, Ph. D.

Ar. Sylvia D. Clemente, M.S. Urban Planning

Ar. Ruth Marie Equipaje, MS Sustainable Urban Devt.

Ar. Luis Ferrer, M.Arch

Ar. Jonathan V. Manalad, M.Arch

Ar. Manuel Maximo L. Noche, M.Environmental Eng.

Ar. Ma. Concepcion Roxas, Ph.D.



University of Santo Tomas  
THE CATHOLIC UNIVERSITY OF THE PHILIPPINES  
MANILA, PHILIPPINES  
**The Graduate School**

## MASTER OF SCIENCE IN ARCHITECTURE MAJOR IN PHYSICAL PLANNING

AY 2014 - 2018