

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 major in Urban Design program, the graduate will be able to:

1. Demonstrates rationalized and in-depth knowledge of all the key aspects concerning suburbs, towns and cities and be able to apply them to current urban design-related challenges of the country.
2. Exhibit skills of critical thinking and ingenious strategies in coming up with possible solutions to current urban design-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 issues on suburbs, towns and cities and best practices that may be beneficial to current urban design-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 urban design-related concerns.

MASTER OF SCIENCE IN ARCHITECTURE MAJOR IN URBAN DESIGN

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. Course output is a thesis proposal.

CORE COURSES: (9 UNITS)

ARCH-UD 601 - Principles and Concepts of Planning and Urban Design

Study on the different elements and theories that influence architectural design and planning. This emphasizes a comparative analysis of different theories and conditions in which they were developed.

ARCH-UD 602 - 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-UD 603 - 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-UD 604 - 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, theatre complexes and shopping malls. This course emphasizes with the stability to identify and design for specific cultures.

SPECIALIZATION COURSES: (15 UNITS)

ARCH-UD 700 - History of Urban Design

Study and analysis of the history of urban designs as a complex of operating systems and interrelated subsystems in cities; from classic Greek and Roman to Renaissance and Asian models built from functional to human activities.

ARCH-UD 701 - Fundamentals and Principles of Urban Design

Study of theories and methods in urban design from ancient to contemporary models.

ARCH-UD 702 - Urban Design and Planning

The course explores the application of urban design and landscape urbanism techniques to the problems and opportunities of contemporary city making. It investigates the social, cultural, natural, and infrastructural systems of urban environments, and develops integrated spatial design strategies involving streets, built form, and open space networks.

ARCH-UD 703 - Environmental Management

This course is an overview of the environment, its problems and environmental management approaches. It illustrates the significance of environmental management in economic development. It uses a system approach in understanding the dynamics of the environment and showcases various intervention approaches in solving environmental problems.

ARCH-UD 704 - Urban Design Workshop

A guided study on the application of principles and fundamentals of Urban Design in a selected model.

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
TOTAL	42

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
URBAN DESIGN

AY 2014 - 2017