



**Number & Title of Course:** ARQU 6313: Independent Design Thesis - Research (5 credits)

**Course Descriptions:** Each course participant will perform supervised individual work that will demonstrate the student's capacity to identify an architectural issue/design problem that leads to relevant research. The work will demonstrate the capability to formulate a building program that addresses the concerns raised.

**Course Goals & Objectives:**

The Student will:

- **Apply** fundamental research concepts and their application to the field of architecture.
- **Develop** a comprehensive understanding of architectural design as a field of research and practice.
- **Understand** the criteria involved in the development of architectural design judgment.
- **Select** among different research modes and paradigms.
- **Identify** the available bibliographical resources and archives, as well as, other institutional and media depositories that provide for rigorous research documentation.
- **Be Aware** of the ethical and legal principles related to information management processes.
- **Cultivate** essential critical thinking skills needed to perform research.
- **Improve** and apply necessary writing skills prepare clear and concise research proposals.
- **Complete** the development of relevant proposal of applying the research to a design proposal.

**Student Performance Criterion/a addressed:**

A01: Communication Skills	Ability
A05: Investigative Skills	Ability
A07: Use of Precedents	Ability
A09: Historical Traditions & Global Culture	Understanding
A10: Cultural Diversity	Understanding
A11: Applied Research	Understanding
C02: Human Behavior	Understanding
C08: Ethics & Professional Responsibilities	Understanding
C09: Community & Social Responsibility	Understanding

**Topical Outline:**

TOPIC	WEEKS
▪ Research (minimum of two meetings with Thesis Committee)	12
▪ Application to Design Proposal	02
▪ Degree Exam	01

**Prerequisites:** ARQU 6145 / ARQU 6225 / ARQU 6312 / ARQU 6321 / ARQU 6361

**Textbooks/ Learning Resources:**

The bibliography will be project-related. Some generally recommended texts are:

Alexander, Christopher. *A Pattern Language: Towns, Building, Construction*, Oxford University Press, Nueva York, 1977.

Boyne, D.A.C., (ed). *Architects Working Details*, Londres: The Architectural Press, 1962.

Bonet Correa, Antonio. *Las Claves del Urbanismo*, Barcelona: Editorial Ariel, 1989.



- Chueca Goitía, Fernando. *Breve Historia del Urbanismo*, Madrid: Alianza Editorial, 1987.
- Ching, Francis D. K. *Building Construction Illustrated*, Nueva York: Van Nostrand Reinhold, 1991.
- Kostof, Spiro. *The City Assembled: The Elements of Urban History Form Through History*, Boston: Bulfinch Press, 1992.
- Kostof, Spiro. *The City Shaped: Urban Patterns and Meanings through History*, Boston: Bulfinch Press, 1991.
- Nesbitt, Kate (ed). *Theorizing a New Agenda for Architecture: An Anthology of Architectural Theory 1965-1995*, Nueva York: Princeton Architectural Press, 1996.
- Michalko, Michael. *Cracking Creativity: The Secrets of Creative Genius*, Berkeley, CA: Ten Speed Press, 2001.
- Rowe, Collin & F. Koetter. *Collage City*, The MIT Press.
- Sepúlveda Rivera, Aníbal. *San Juan: Historia ilustrada de su desarrollo urbano, 1508-1898*, San Juan: Centro de Investigaciones CARIMAR, 1989

LINKS:

<http://www.apastyle.org/elecref.html>

The following is excerpted from the 5th edition of the Publication Manual (© 2001). The material provided covers commonly asked questions regarding how to cite electronic media.

<http://www.mla.org/>

Founded in 1883 by teachers and scholars, the Modern Language Association promotes the study and teaching of language and literature.

<http://books.google.com/books?hl=en&lr=&id=72pHqjvNS5gC&oi=fnd&pg=PP7&sig=nLsOX60CgPGSvGJ3txeqFZN70gl&dq=research+methods&prev=http://scholar.google.com/scholar%3Fq%3Dresearch%2Bmethods%26hl%3Den%26lr%3D>

Survey Research Methods by Floyd J Fowler.

<http://www.socialresearchmethods.net/kb/>

The Research Methods Knowledge Base is a comprehensive web-based textbook that addresses all of the topics in a typical introductory undergraduate or graduate course in social research methods.

**Offered:** Fall & Spring; Annually

**Faculty Assigned:** María Campo / Humberto Cavallín / Lilliana Ramos / Mayra Jiménez / Darwin Marrero / Andrés Mignucci / Emilio Martínez / Ernesto Rodríguez / Jorge Lizardi / Esteban Sennyey / Enrique Vivoni / etc.