

UDDI

Urban Design and Development
(International Program)
New Curriculum Outline
Master of Urban Design (M.UD.)



THAMMASAT
DESIGN SCHOOL



URBAN DESIGN
& DEVELOPMENT
(international program)

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The New 1 Year Master of Urban Design International Program Curriculum

As the world continues to urbanize, with currently 55% of the world's population living in cities, and an expected increase to 68% by 2050, particularly in Africa and Asia, urbanization can be a positive force to address urgent global challenges, aligned with UN SDG 11 of Sustainable Cities and Communities, as well as the urban dimensions of the other SDGs. Asia adds 48 million people per year to its urban population, which is more than the rest of the world combined. As South-East Asia continues to urbanize, its cities face common developmental challenges, including urban inequalities, environmental issues, tropical climatic region, and disaster vulnerability due to climate change. In this context, this program aims to develop urban experts who are knowledgeable in sustainable urban design and development, and who are committed to creating inclusive, innovative, resilient, and livable cities for the well-being of urban communities, leaving no one and no place behind.





The Benefits of the Program

This program will be beneficial for graduates from Thailand as well as international students particularly from CLMV (Cambodia, Laos, Myanmar, Vietnam) and other neighboring countries, by allowing them to learn about South-East Asian urbanism from the heart of the region. The program is situated in Thammasat University Rangsit campus, looking from megacities to intermediary cities and peri-urbanization. Graduates of this program can make an impact as experts and professionals to shape the future of their cities. Through a revised curriculum consisting of taught courses and independent research subjects, combined with international exchange activities with international partners, students will work towards a comprehensive, interdisciplinary, and integrated research project in an area of their own choosing.

Competitive Career Prospects

- Academic research
 - PhD pathway
 - Private consultancy
 - National and international (N)GO
 - International organization and cooperation
 - Public sector
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The Objectives of the Program

This 1-year Master's Program aims to:

- Foster interdisciplinary urban design research towards new understandings and insights of urban issues in order to develop sustainable, resilient, and inclusive solutions, with a unique focus on South-East Asian cities, aligned with UN SDG 11 and the urban dimension of the other SDGs.
- Equip graduates within the region with the knowledge and expertise to analyze and evaluate the social, economic, and environmental issues in order to address the most complex and urgent problems facing their cities.
- Build a strong sense of ethical responsibility and commitment for students, in order to develop a holistic urban understanding and develop effective responses specific to the local needs and contexts.
- Promote international exchange activities and academic collaborations with key regional partners to engage with fieldwork, research, and other activities.



Program Details

Subject Clusters

Students must complete 36 credits divided into 3 subject clusters. The first cluster consists of [compulsory subjects in South East Asian Urbanism \(9 credits\)](#), the second of [Urban Visualization & Design Research \(9 credits\)](#); in these subjects there are an opportunity for international exchange and overseas experience, though subject to the organizing partners. Then, the student choose to follow either the [Thesis Track \(18 credits\)](#) or the [IS Track \(18 credits\)](#).

1. South-East Asian Urbanism - 9 credits (Compulsory)

- [UD601](#) Interdisciplinary Urban Studies in South-East Asia - **6 credits**
- [UD602](#) Comparative Urbanisms - **3 credits**
(with International Exchange and co-taught with partner universities)

2. Urban Visualization & Design Research - 9 credits (Compulsory)

- [UD612](#) Urban Visualization and Analysis - **6 credits**
- [UD613](#) Research Ethics and Skills - **3 credits** (co-taught with DBT713)

3. Urban Design Research Thesis - 18 credits (Thesis Track)

- [UD804](#) Thesis - **18 credits**
(Part 1: Preparation & Research 12 credits + Part 2: Write up 6 credits)

4. Special Topics & Independent Studies - 18 credits (IS Track)

- [UD721](#) Special Topic 1 - **6 credits**
(Comparative Urbanisms Research Output)
- [UD722](#) Special Topic 2 - **6 credits** (Urban Design Studio)
- [UD700](#) Independent Study - **6 credits**

Study Plans

Study Plan A (Thesis Track)

Core Courses 18 Credits

Thesis 18 Credits

Total 36 Credits

Study Plan B (IS Track)

Core Courses 18 Credits

Independent Study +
Special Topics 18 Credits

Total 36 Credits

Approximate Tuition Fee

- Thai Student
- International Student

Semester 1

Semester 2

Summer

Credit Fees

135,000 THB

135,000 THB

54,000 THB

Special Administrative Fees

40,000 THB

40,000 THB

Education Fees

● 1,500 THB
● 15,000 THB

● 1,500 THB
● 15,000 THB

● 1,500 THB
● 15,000 THB

More

6,710 THB

Total for each semester

● 183,210 THB
● 196,710 THB

● 176,500 THB
● 190,000 THB

● 55,500 THB
● 69,000 THB

Total throughout the program

● 415,210 THB

● 455,710 THB

Semester Plan

Study Plan A
(Thesis Track)

Semester 1 AUG - DEC

Study Plan B
(IS Track)

Semester 1 AUG - DEC

UD601 Interdisciplinary Urban Studies in South-East Asia 6 Credits
UD612 Urban Visualization and Analysis 6 Credits
UD613 Research Ethics and Skills 3 Credits

Semester 2 JAN - MAY

UD602 Comparative Urbanisms 3 Credits

Plan A

UD804 Thesis (Part 1) 12 Credits

Plan B

UD721 Special Topic 1 6 Credits
(Comparative Urbanisms Research Report)

UD722 Special Topic 2 6 Credits
(Urban Design Studio)

Summer MAY - JUL

UD804 Thesis (Part 2) 6 Credits

UD700 Independent Study 6 Credits

Course Descriptions

UD601 Interdisciplinary Urban Studies in South-East Asia - 6 credits

This course introduces the various challenges and opportunities including economic, social, technological, and environmental influences facing cities, as a way to broach the idea of a South-East Asian urbanism. The course investigates key urbanization trends and the rapid growth of cities in the region, as well as the need for sustainable urban developments. Lectures, collaborative thinking, debates, discussions, and individual research will be used to investigate various topical issues and theories.

UD602 Comparative Urbanisms - 3 credits (International Experience/Exchange)

This course is co-taught with partner universities where students will engage in international case study research relating to an urban design and development issue proposed in the UD601 Interdisciplinary Urban Studies in South-East Asia subject. The scope of the international experience could also include field work, individual or collaborative project, workshop, conference, or other academic activity.

UD612 Urban Visualization and Analysis - 6 credits

This course introduces the fundamental concepts and tools to analyze the city across various sectors and disciplines. Supported by graphical and GIS software, this course demonstrates various ideas and methods of urban mapping and visualization including, but not limited to, mapping analyses, SWOT analysis, typological and morphological analyses, etc., through theoretical and physical dimensions.

UD613 Research Ethics and Skills - 3 credits (co-taught with DBT713)

Comprehensive research principles which are appropriate to undertaking design business and technology management background. Research structures are exemplified by case studies which possibly provide selective individual plan for students. Multi-dimension databases are provided practicing to diverge and converge literature reviews without plagiarism. Launching research methodology is another lesson included both qualitative and quantitative methods for supporting data collections. Then data interpretations are taught as promoting analysis and synthesis skills for ultimate conclusion and suggestion.

UD804 Thesis (Part 1) - 12 credits (Preparation & Research)

This course engages students in postgraduate research, preparation, and writing towards a topic of the student's interest. Research methodology and frameworks associated with qualitative and visual research methods for sustainable urban design and development in South-East Asia will be adapted to students' individual research interests. Through a series of readings and research exercises, students will learn how to analyze and synthesize data, conduct flexible, design-centered research planning for their own research project.

UD804 Thesis (Part 2) - 6 credits (Write up)

This course follows on from UD804 Thesis Part 1 by providing students with an opportunity to further develop their topic and demonstrate analytical and critical abilities in the writing up of their thesis towards the final defense.

UD721 Special Topic 1 - 6 credits

This course provides students with an opportunity to independently produce a research output based on the case study and/or field work for UD602 Comparative Urbanisms. Drawing upon the intersections of design and research, students will explore advanced concepts and methodologies, to develop new understandings and insights of urban issue/s of the student's interest in order to develop sustainable and resilient solutions for South-East Asian cities.

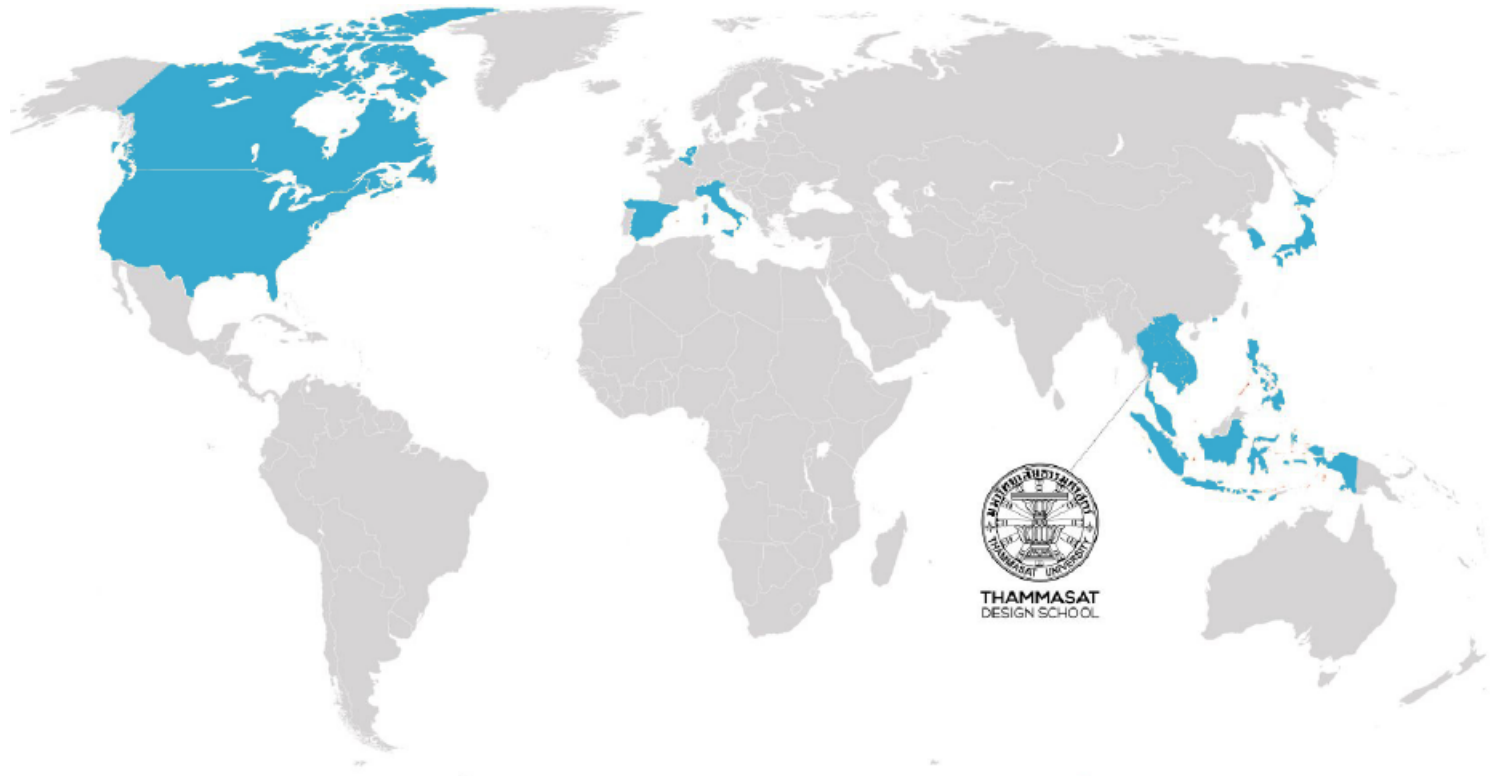
UD722 Special Topic 2 - 6 credits

This urban design studio will explore the theory and practices involved in producing a multilayered analyses and holistic response in terms of the design and production of urban form amidst the growing complexities of cities in South-East Asia. Students are introduced to various design concepts, exploration methods, and tools for conducting research, field investigation, and formulating hypothesis within the complex layers of a city or part of a city. The course encourages students to develop an effective proposal for urban design intervention that addresses the needs of different stakeholders at various scales.

UD700 Independent Study - 6 credits

Students conduct independent study which is subject to the approval of the curriculum committee. The process of presenting the research should follow appropriate research protocols dealing with topics relevant to urban design research.

TDS & UDDI Partners



Canada

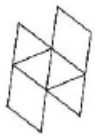
KU LEUVEN



university of
 groningen



홍익대학교
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 Design and Engineering



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