

Curriculum Details
Master of Architecture Program in Urban Design
(Revised Curriculum 2021)

Name of Institution: Silpakorn University
Campus/Faculty/Department: Wang Tha Phra/Faculty of Architecture/
 Department of Urban Design and Planning

Number and Title of the Program

Number of the Program: 25500081107564
Title of the Program: Master of Architecture Program in Urban Design

Name of Degree and Field of Study

Full name: Master of Architecture (Urban Design)
Abbreviation of name: M. Arch. (Urban Design)

Major

None

Total Number of Credits

Plan A1 equivalent of 36 credits
 Plan A2 total of 36 credits
 Plan B not less than 36 credits

Character of the Program

1. **Type of program:** Master's degree - 1.5 years
2. **Language medium:** Thai and/or English
3. **Student intake:** Thai and foreign students who are able to communicate in Thai and/or English
4. **Collaboration with other institutes:** This program is run exclusively by the organizing institute
5. **Degree conferred:** Single degree

Career Opportunities after Graduation

Professions related to urban development and environmental quality

1. Urban designer
2. Academician in urban design
3. Town planning architect
4. Teacher in an education institution
5. Consultant for urban development projects
6. Researcher
7. Freelance occupation in design of urban community development

Objectives of the Program

1. To produce graduates with knowledge and good understanding of urban design and related fields
2. To build up knowledge so as to help raise the level of academic and professional standards in urban design
3. To produce graduates with ethical and responsible mindset concerning urban design

Eligibility to Apply

1. Applicants must possess the qualifications prescribed for each type of study plan as follows:

Plan A1

Bachelor's degree in architecture, urban architecture, landscape architecture, urban planning, or a related discipline with good study results (grade point average of not less than 3.20) and potential for carrying out research work, or subject to deliberation at the discretion of the Program Operating Committee

Plan A2 and Plan B

Bachelor's degree in architecture, urban architecture, landscape architecture, urban planning, or a related discipline with good study results and potential for carrying out design work with analytical mind, subject to deliberation at the discretion of the Program Operating Committee

2. Possess the qualities stipulated under Article 7 of Silpakorn University Graduate Studies Regulations, 2023 and/or subsequent changes thereof.

Number of Credits

Plan A1	equivalent of 36 credits
Plan A2	total of 36 credits
Plan B	not less than 36 credits

Structure of the Curriculum

Plan A1 Thesis only (equivalent of 36 credits)

Compulsory course	non-credit	3	credits
Thesis	equivalent to	36	credits

Plan A2 Coursework plus Thesis (total of 36 credits)

Compulsory course	non-credit	3	credits
Compulsory courses	a number of	24	credits
Thesis	equivalent to	12	credits

Plan B Coursework plus Independent Study (minimum total of 36 credits) – this plan requires taking Comprehensive Exam after having accumulated a number of not less than 30 credits

Compulsory courses	a number of	27	credits
Elective courses	not less than	3	credits
Independent Study	equivalent to	6	credits

Courses**Plan A1****Compulsory Course (non-credit) 3 credits**

264 510	Urban Design Research Seminar	3*(3-0-6)
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Thesis (equivalent to 36 credits)

264 520	Thesis	equivalent to 36 credits
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*Note: ** denotes non-credit courses that are evaluated in terms of S or U

Plan A2**Compulsory Course (non-credit) 3 credits**

264 510	Urban Design Research Seminar	3*(3-0-6)
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Compulsory Courses (24 credits)

264 511	Urban Design Theories	3(3-0-6)
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264 512	Urban Design Process Seminar	3(3-0-6)
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264 513	Future of Cities	3(3-0-6)
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264 514	Data and Analytical Tools for Urban Design	3(2-2-5)
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264 515	Big Data and Digital Technology in Urban Design	3(2-2-5)
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264 517	Fundamental Urban Design Studio	3(0-6-3)
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264 518	Creative Urban Design Studio	6(0-12-6)
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Thesis (equivalent to 12 credits)

264 521	Thesis	equivalent to 12 credits
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*Note: ** denotes non-credit courses that are evaluated in terms of S or U

Plan B**Compulsory Courses (27 credits)**

264 511	Urban Design Theories	3(3-0-6)
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264 512	Urban Design Process Seminar	3(3-0-6)
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264 513	Future of Cities	3(3-0-6)
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264 514	Data and Analytical Tools for Urban Design	3(2-2-5)
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264 515	Big Data and Digital Technology in Urban Design	3(2-2-5)
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264 516	Open Lectures for Urban Design	3(3-0-6)
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264 517	Fundamental Urban Design Studio	3(0-6-3)
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264 518	Creative Urban Design Studio	6(0-12-6)
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Elective Courses (not less than 3 credits)

264 510	Urban Design Research Seminar	3(3-0-6)
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264 530	Urban Design Implementation	3(3-0-6)
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264 531	Study of Urban Morphology	3(3-0-6)
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264 532	Special Topic Study	3(0-6-3)
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Independent Study (equivalent to 6 credits)

263 522	Independent Urban Design Study	equivalent to 6 credits
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Study Plans

Plan A1

Year 1 Semester 1

Course No.	Course Title	Credits (L-P-E)
264 510	Urban Design Research Seminar	3*(3-0-6)
264 520	Thesis (equivalent to)	15
Total		15

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
264 520	Thesis (equivalent to)	15
Total		15

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
264 520	Thesis (equivalent to)	6
Total		6

Note: * denotes non-credit courses that are evaluated in terms of S or U

Plan A2

Year 1 Semester 1

Course No.	Course Title	Credits (L-P-E)
264 511	Urban Design Theories	3(3-0-6)
264 512	Urban Design Process Seminar	3(3-0-6)
264 513	Future of Cities	3(3-0-6)
264 514	Data and Analytical Tools for Urban Design	3(2-2-5)
264 517	Fundamental Urban Design Studio	3(0-6-3)
Total		15

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
264 510	Urban Design Research Seminar	3*(3-0-6)
264 515	Big Data and Digital Technology in Urban Design	3(2-2-5)
264 518	Creative Urban Design Studio	6(0-12-6)
264 521	Thesis (equivalent to)	3
Total		12

Year 1 Summer Session

Course No.	Course Title	Credits (L-P-E)
264 521	Thesis (equivalent to)	3
Total		3

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
264 521	Thesis (equivalent to)	6
Total		6

Note: * denotes non-credit courses that are evaluated in terms of S or U

Plan B

Year 1 Semester 1

Course No.	Course Title	Credits (L-P-E)
264 511	Urban Design Theories	3(3-0-6)
264 512	Urban Design Process Seminar	3(3-0-6)
264 513	Future of Cities	3(3-0-6)
264 514	Data and Analytical Tools for Urban Design	3(2-2-5)
264 517	Fundamental Urban Design Studio	3(0-6-3)
Total		15

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
264 515	Big Data and Digital Technology in Urban Design	3(2-2-5)
264 516	Open Lectures for Urban Design	3(3-0-6)
264 518	Creative Urban Design Studio	6(0-12-6)
	Elective	3
Total		15

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
264 522	Independent Urban Design Study (equivalent to)	6
Total		6

Course Descriptions

- 264 510 Urban Design Research Seminar** **3(3-0-6)**
Plans A1 and A2 students to be evaluated in terms of S or U
Plan B students to be evaluated in terms of grades
 Theories and knowledge concerning urban design research; raising research questions regarding contemporary urban issues and designing preliminary outline for quantitative and qualitative research; stages in research methodology; basic use of statistics, data analysis, interpretation of findings and their applications.
- 264 511 Urban Design Theories** **3(3-0-6)**
 Evolutions, movements, and theories concerning urban design from past to present; issues, factors and processes involved in urban design; application of theories in urban design.
- 264 512 Urban Design Process Seminar** **3(3-0-6)**
 Discussions on principles, methods and processes involved in urban design practice; selecting sites for study; data collection and analysis of socio-spatial patterns; forming concepts and directions for design; environmental design techniques; design presentation, implementation and public participation.
 Study trips required.
- 264 513 Future of Cities** **3(3-0-6)**
 Discussions, investigations and speculations on the future of cities in global and local contexts with regards to economic, social and technological changes as well as changes in people's way of life; setting up framework for design of contemporary cities in envisaged future scenarios.
 Study trips required.
- 264 514 Data and Analytical Tools for Urban Design** **3(2-2-5)**
 Procedures and tools for investigating information; collection and analysis of physical urban characteristics in connection with socio-economic factors and human behaviour; determining analytical techniques for urban design project.
- 264 515 Big Data and Digital Technology in Urban Design** **3(2-2-5)**
 Tools and means for making inquiries and collecting information; analysing Big Data from diverse sources that are dynamically changing and constantly growing at rapid rate especially on internet devices and other types of media; use of digital technology for managing such data by means of computer platforms and geographical information systems in applying to works of urban design and planning at advanced level.

- 264 516 Open Lectures for Urban Design** **3(3-0-6)**
 Combined series of course topics taught at the Faculty of Architecture, Silpakorn University, along with online public lectures or jointly organized sessions according to interest, so as to supplement students' understanding of urban design in an interdisciplinary manner.
- 264 517 Fundamental Urban Design Studio** **3(0-6-3)**
 Elementary urban design studio; basic understanding of interrelationship between physical, social and economic factors with regards to urban development; area and scope of project shall encompass fundamental issues so that students may have an overall view of urban design process and different design typologies.
 Study trips required.
- 264 518 Creative Urban Design Studio** **6(0-12-6)**
 Advanced urban design studio exercise on project of students' interest under guidance of mentors in specialized fields; carry out in-depth studies by giving importance to data collection, analysis, synthesis and setting up principles for eventual design solutions.
 Study trips required.
- 264 520 Thesis** **equivalent to 36 credits**
 Individual undertaking of a research project on an urban design topic approved by thesis advisor with emphasis on academic approach.
- 264 521 Thesis** **equivalent to 12 credits**
 Individual undertaking of a research project on an urban design topic approved by thesis advisor with emphasis on academic approach.
- 264 522 Independent Urban Design Study** **equivalent to 6 credits**
 Independent study on an urban design topic of interest approved by an advisor; exercising and demonstrating students' ability in carrying out studies related to urban design through concise process covering all crucial aspects; emphasis on developing policies and directions for design and development of areas concerned.
- 264 530 Urban Design Implementation** **3(3-0-6)**
 Principles, methods and procedures for implementing urban design plans and policies of public and private projects; selecting implementation approaches for achieving set goals; organization management, feasibility study, investment analysis, stakeholder assessment and public participation; possibility of real implementation on constructed model situation affecting behavioral changes in the use of public urban spaces.
 Study trips required.

264 531 Study of Urban Morphology**3(3-0-6)**

Study of urban forms and analysis of plans and components of urban complexities and transformations; historical and geographical analysis of changes in configurations during each period; formation process, changes, developments, and persistence of morphological framework; local actions in developing urban form for the design of responsive environment.

264 532 Special Topic Study**3(0-6-3)**

Topic of special interest or current issues concerning urban design.