

**Curriculum Details**  
**Master of Urban and Environmental Planning Program**  
**(Revised Curriculum 2022)**

**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:** 25480081106649  
**Title of the Program:** Master of Urban and Environmental Planning Program

**Name of Degree and Field of Study**

**Full name:** Master of Urban and Environmental Planning  
**Abbreviation of name:** M.U.E.P.

**Major**

None

**Total Number of Credits**

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

**Character of the Program**

1. **Type of program:** Master's degree - 2 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**

1. Urban planner
2. Teacher in an education institution
3. Academician in urban planning with a private agency
4. Policy and planning analyst in public or private organization
5. Community / urban development planner
6. Blueprint planner and designer
7. Consultant in urban planning, community development planning and organizing participation
8. Related professions such as real estate developer, urban development business entrepreneur, data scientist, data analyst, content creator, coordinator of participatory events

### Objectives of the Program

1. To produce graduates who possess advanced skills, knowledge and understanding, with ability in carrying out research and analysis of complex data through the use of comprehensive technology so as to thoroughly comprehend the issues concerned in order to establish concepts and procedures for urban and environmental planning
2. To produce graduates who possess moral and ethical qualities in urban and community planning profession that can create favorable physical urban environments in order to serve and protect public interest in future
3. To build up further body of knowledge for developing academic excellence and professional quality in urban and environmental planning practice.

### Eligibility to Apply

1. Applicants must be a holder of a Bachelor's degree or an equivalent in either architecture, engineering, science, arts, social science, or other disciplines related to development planning such as landscape architecture, town and community planning, urban architecture, urban design, or urban and environmental planning
2. Qualifications other than the above-listed may however be considered for acceptance at the discretion of the Program Operating Committee
3. Possess the qualities stipulated under Article 7 of Silpakorn University Graduate Studies Regulations, 2023 and/or subsequent changes thereof.

### Number of Credits

Total of not less than 36 credits throughout the program

### Structure of the Curriculum

#### Plan A1

Compulsory courses	non-credit	6 credits
Thesis	equivalent to	36 credits

#### Plan A2

Compulsory courses	a number of	12 credits
Elective courses	not less than	12 credits
Thesis	equivalent to	12 credits

#### Plan B

Compulsory courses	a number of	18 credits
Elective courses	not less than	12 credits
Independent Study	equivalent to	6 credits

*Note:* - Plans A1 and A2 do not require students to take Comprehensive Exam

- Plan B students are required to take Comprehensive Exam on theory and practice in urban and environmental planning.

Students with no background in urban and environmental planning are required to enroll in 264 600 Fundamental Knowledge of Urban and Environmental Planning as non-credit course.

**Courses****Foundation Course (non-credit) 3 credits**

Students with inadequate background in urban and environmental planning may, at the discretion of the Program Operating Committee, be required to take the following non-credit course that shall be evaluated in terms of S or U

264 600	Fundamental Knowledge of Urban and Environmental Planning	3*(3-0-6)
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**Plan A1****Compulsory Courses (non-credit) 6 credits**

264 612	Research Methodology in Urban Planning	3*(3-0-6)
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264 636	Special Topic Study	3*(0-6-3)
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**Thesis (equivalent to 36 credits)**

264 620	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 Courses (12 credits)**

264 610	Theory of Urban and Environmental Planning	3(3-0-6)
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264 611	Planning Techniques and Digital Technology	3(3-0-6)
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264 612	Research Methodology in Urban Planning	3(3-0-6)
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264 614	Urban and Environmental Planning Studio	3(0-6-3)
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**Elective Courses (not less than 12 credits)**

264 613	Land Use and Infrastructure Planning	3(3-0-6)
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264 615	Advanced Urban and Environmental Planning Studio	3(0-6-3)
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264 630	Planning Paradigms	3(3-0-6)
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264 631	Environmental Planning	3(3-0-6)
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264 632	Mechanisms of Planning Implementation	3(3-0-6)
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264 633	Field Study in Planning	3(0-6-3)
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264 634	Environment and Human Behavior	3(3-0-6)
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264 635	Urban Informatics	3(3-0-6)
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264 636	Special Topic Study	3(0-6-3)
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264 637	Urban Transportation Planning	3(3-0-6)
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264 638	Urban Resilience Planning	3(3-0-6)
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Apart from the above electives, students may also choose to enroll in any other courses offered by other programs at the Graduate Level with the approval of an advisor.

**Thesis (equivalent to 12 credits)**

264 621	Thesis	equivalent to 12 credits
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**Plan B****Compulsory Courses (18 credits)**

264 610	Theory of Urban and Environmental Planning	3(3-0-6)
264 611	Planning Techniques and Digital Technology	3(3-0-6)
264 612	Research Methodology in Urban Planning	3(3-0-6)
264 613	Land Use and Infrastructure Planning	3(3-0-6)
264 614	Urban and Environmental Planning Studio	3(0-6-3)
264 615	Advanced Urban and Environmental Planning Studio	3(0-6-3)

**Elective Courses (not less than 12 credits)**

264 630	Planning Paradigms	3(3-0-6)
264 631	Environmental Planning	3(3-0-6)
264 632	Mechanisms of Planning Implementation	3(3-0-6)
264 633	Field Study in Planning	3(0-6-3)
264 634	Environment and Human Behavior	3(3-0-6)
264 635	Urban Informatics	3(3-0-6)
264 636	Special Topic Study	3(0-6-3)
264 637	Urban Transportation Planning	3(3-0-6)
264 638	Urban Resilience Planning	3(3-0-6)

Apart from the above electives, students may also choose to enroll in any other courses offered by other programs at the Graduate Level with the approval of an advisor.

**Independent Study (equivalent to 6 credits)**

264 622	Independent 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)
264 612	Research Methodology in Urban Planning	3*(3-0-6)
264 636	Special Topic Study	3*(0-6-3)
<b>Total</b>		<b>0</b>

## Year 1, Semester 2

Course No.	Course Title	Credits (L-P-E)
264 620	Thesis (equivalent to)	12
<b>Total</b>		<b>12</b>

## Year 2, Semester 1

Course No.	Course Title	Credits (L-P-E)
264 620	Thesis (equivalent to)	12
<b>Total</b>		<b>12</b>

## Year 2, Semester 2

Course No.	Course Title	Credits (L-P-E)
264 620	Thesis (equivalent to)	12
<b>Total</b>		<b>12</b>

*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)
264 610	Theory of Urban and Environmental Planning	3(3-0-6)
264 611	Planning Techniques and Digital Technology	3(3-0-6)
	Elective	3
<b>Total</b>		<b>9</b>

## Year 1, Semester 2

Course No.	Course Title	Credits (L-P-E)
264 612	Research Methodology in Urban Planning	3(3-0-6)
264 614	Urban and Environmental Planning Studio	3(0-6-3)
	Elective	3
<b>Total</b>		<b>9</b>

## Year 2, Semester 1

Course No.	Course Title	Credits (L-P-E)
264 621	Thesis (equivalent to)	6
	Elective	3
<b>Total</b>		<b>9</b>

## Year 2, Semester 2

Course No.	Course Title	Credits (L-P-E)
264 621	Thesis (equivalent to)	6
	Elective	3
<b>Total</b>		<b>9</b>

## Plan B

## Year 1, Semester 1

Course No.	Course Title	Credits (L-P-E)
264 610	Theory of Urban and Environmental Planning	3(3-0-6)
264 611	Planning Techniques and Digital Technology	3(3-0-6)
	Elective	3
<b>Total</b>		<b>9</b>

## Year 1, Semester 2

Course No.	Course Title	Credits (L-P-E)
264 612	Research Methodology in Urban Planning	3(3-0-6)
264 614	Urban and Environmental Planning Studio	3(0-6-3)
	Elective	3
<b>Total</b>		<b>9</b>

## Year 2, Semester 1

Course No.	Course Title	Credits (L-P-E)
264 613	Land Use and Infrastructure Planning	3(3-0-6)
264 615	Advanced Urban and Environmental Planning Studio	3(0-6-3)
	Elective	3
<b>Total</b>		<b>9</b>

## Year 2, Semester 2

Course No.	Course Title	Credits (L-P-E)
264 622	Independent Study (equivalent to)	6
	Elective	3
<b>Total</b>		<b>9</b>

## Course Descriptions

<b>264 600</b>	<b>Fundamental Knowledge of Urban and Environmental Planning</b>	<b>3(3-0-6)</b>
	<i>Non-credit course with evaluation in terms of S or U</i>	
	Fundamental knowledge of urban and environmental planning, related issues, methods of collecting data and data analysis, presentation of plans and designs; exercises on planning and design of urban areas.	
	Field trips required.	
<b>264 610</b>	<b>Theory of Urban and Environmental Planning</b>	<b>3(3-0-6)</b>
	Evolutions, movements and theories concerning urban settlement; urban and environmental planning from past to present; applications of theories, issues, factors and process involved in urban planning.	
<b>264 611</b>	<b>Planning Techniques and Digital Technology</b>	<b>3(3-0-6)</b>
	Concepts and principles of systematic approaches to urban and environmental planning; application of digital technology in the urban planning process; theoretical and practical aspects of the use of techniques and digital technology related to urban and environmental planning; theory, history and development of hardware and software affecting digital media in urban planning; uses and applications of digital tools and software to create and manipulate digital contents related to urban planning projects.	
<b>264 612</b>	<b>Research Methodology in Urban Planning</b>	<b>3(3-0-6)</b>
	<i>Plan A1 students shall be evaluated in terms of S or U</i>	
	<i>Plan A2 and Plan B students shall be evaluated in terms of grades</i>	
	Basic knowledge concerning various types of research including quantitative and qualitative research pertaining to urban and environmental planning; research methodology and related matters regarding research questions, research hypotheses, research design, fundamental statistics, data analysis, interpretation of findings, and implementation.	
<b>264 613</b>	<b>Land Use and Infrastructure Planning</b>	<b>3(3-0-6)</b>
	Theory and analysis of physical planning essentials for practical urban development; emphasis on land use, infrastructure, and transportation systems important to quality of urban life; fundamental planning process and techniques.	

<b>264 614</b>	<b>Urban and Environmental Planning Studio</b>	<b>3(0-6-3)</b>
	<p>Exercise in basic urban and environmental planning through assigned projects; conducting overall planning processes, applying theories to specific cases, defining details of projects and objectives, gathering data and examining factors related to planning of target area, organizing participation activities, as well as analyzing and synthesizing data and information acquired; proposing practical spatial plans; emphasis on development approaches based on cultural assets and local wisdoms as well as innovations which serve to upgrade living quality in response to evolving social environment.</p> <p>Field trips required.</p>	
<b>264 615</b>	<b>Advanced Urban and Environmental Planning Studio</b>	<b>3(0-6-3)</b>
	<p>Exercise in advanced urban and environmental planning through assigned projects in which each focuses on specific topics of individual student's interests; more elaborate learning process than that encountered in Urban and Environmental Planning Studio I and includes planning Implementation; expected outcomes include proposed practical spatial plans and plans for implementation.</p> <p>Field trips required.</p>	
<b>264 620</b>	<b>Thesis</b>	<b>equivalent to 36 credits</b>
	<p>Individual research undertaking on a topic characterized by the curriculum with content and complexity consented by an advisor.</p>	
<b>264 621</b>	<b>Thesis</b>	<b>equivalent to 12 credits</b>
	<p>Individual research undertaking on a topic characterized by the curriculum with content and complexity consented by an advisor.</p>	
<b>264 622</b>	<b>Independent Study</b>	<b>equivalent to 6 credits</b>
	<p>Independent study on a topic of special interest, approved by an advisor, demonstrating ability to conduct a concise inquiry through comprehensive process.</p>	
<b>264 630</b>	<b>Planning Paradigms</b>	<b>3(3-0-6)</b>
	<p>Concepts and evolution of well-recognized paradigms in urban planning, economic and social development planning, urban and natural environment conservation and regeneration from past to present; finding appropriate paradigms for creative and suitable applications in various types of urban environmental planning projects from urban development to urban conservation and regeneration.</p>	

- 264 631 Environmental Planning 3(3-0-6)**  
 Principles and theories on environmental planning; environmental problems and issues from human settlements and other factors affecting environment including climate change, project developments, urban development, urban design and urban planning; regulatory and policy making environment; concepts and report writing of environmental impact analysis and environmental risks affecting environment, economy, society, cultural resources, archaeology, landscapes and quality of life; assessment processes and techniques; visual quality assessment; mitigation of impacts and monitoring environment quality; exercises on environmental planning.  
 Field trips required.
- 264 632 Mechanisms of Planning Implementation 3(3-0-6)**  
 Three major mechanisms involved in implementation of master plans, namely, legal mechanism, financial mechanism, and administrative mechanism; essential planning measures and processes involved at implementation stage; related case studies.
- 264 633 Field Study in Planning 3(0-6-3)**  
 Examples of planning which demonstrate relationship between users and physical conditions in socio-cultural environments other than those to which students are acquainted with; domestic or international field study trip related to urban and environmental planning on given issues or issues of particular interest.  
 Field trips required.
- 264 634 Environment and Human Behavior 3(3-0-6)**  
 Influences affecting human behaviors of individuals and social groups which involve man and physical environment; human behavioral process, environmental perception, learning and cognition, analysis of image of the urban environment and its utilization; social behaviors in urban and crowding environment; social encountering and assimilating to new cultural environment.
- 264 635 Urban Informatics 3(3-0-6)**  
 Fundamental Knowledge, meanings, principles, procedures and applications of technologies for data collection, data management, and analyses of urban informatics; Geographic Information System, remote sensing, virtual reality technology; exercises to build database of urban informatics, data editing, and experimenting with analysis of simple problems and applications in urban and environmental planning.

- 264 636 Special Topic Study 3(0-6-3)**  
*Note: Students enrolling for this course must receive permission from the person in charge of the course - Plan A1 students shall be evaluated in terms of S or U  
 Plan A2 and Plan B students shall be evaluated in terms of grades*  
 Topic of special interest or current issues concerning urban and environmental planning.
- 264 637 Urban Transportation Planning 3(3-0-6)**  
 Urban transportation planning process; appropriate transportation systems and the correlation between land-use and transportation; transportation project assessment; transportation-oriented development for sustainability; policies and legal issues pertaining to urban planning and development; essential urban transportation case studies.
- 264 638 Urban Resilience Planning 3(3-0-6)**  
 Theories, concepts, and case studies of urban and environmental planning; methods, tools and measures in urban development and management to enable city to efficiently respond to various types of confrontations including natural disasters, economic crises, social and political unrests, public health threats; planning for rapid emergency response and recovery to “build back better”.