

Curriculum Details

Doctor of Philosophy Program in Landscape Architecture

(Revised Curriculum 2020)

Name of Institution: Silpakorn University
Campus/Faculty/Department: Wang Tha Phra/Faculty of Architecture/
 Landscape Architecture Division

Number and Title of the Program

Number of the Program: 25630088000567
Title of the Program: Doctor of Philosophy Program in Landscape Architecture

Name of Degree and Field of Study

Full name: Doctor of Philosophy (Landscape Architecture)
Abbreviation of name: Ph.D. (Landscape Architecture)

Major

None

Total Number of Credits

Plan 1.1 (for holders of a Master degree)	equivalent of 48 credits
Plan 1.2 (for holders of a Bachelor degree)	equivalent of 72 credits
Plan 2.1 (for holders of a Master degree)	not less than 48 credits
Plan 2.2 (for holders of a Bachelor degree)	not less than 72 credits

Character of the Program

1. **Type of program:** Doctoral degree

Plan 1.1	3 years
Plan 1.2	4 years
Plan 2.1	3 years
Plan 2.2	4 years
2. **Language medium:** Thai and/or English
3. **Student intake:** Thai and foreign students who can communicate in Thai
4. **Collaboration with other institutes:** This program is run exclusively by the organizing institute
5. **Degree conferred:** Single degree

Career Opportunities after Graduation

1. Lecturer, professor at an education institution
2. Researcher or academician in the field of landscape architecture
3. Consultant or specialist in the field of landscape architecture
4. Landscape architect

Objectives of the Program

1. To produce doctoral degree graduates who, apart from having specialized knowledge in landscape architecture and related fields, have developed skills in carrying out inquiries, analyze, synthesize data, and produce new knowledge based on systematic and advanced level research methodology with accountability

2. To produce graduates who possess professional ethics in the field of landscape architecture so as to help improve environmental quality in future

3. To build up further body of knowledge that would lead to raising academic and professional standards in the field of landscape architecture

Eligibility to Apply

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

Plan 1.1

- 1) A Bachelor's degree in landscape architecture and a Master's degree or equivalent with at least 1 published peer-reviewed paper or article that was not part of the degree undertaking, in an academic journal or a publication, subject to consideration at the discretion of the Program Operating Committee *or*
- 2) A Master's degree or equivalent in landscape architecture with at least 1 published peer-reviewed paper or article that was not part of the degree undertaking, in an academic journal or a publication, subject to consideration at the discretion of the Program Operating Committee

Plan 1.2

A Bachelor's degree in landscape architecture with grade point average of not less than 3.5 and at least 1 published peer-reviewed paper or article that was not part of the degree undertaking, in an academic journal or a publication, subject to consideration at the discretion of the Program Operating Committee

Plan 2.1

A Master's degree or equivalent in architecture, urban design, urban architecture, or other related disciplines with at least 1 published peer-reviewed paper or article that was not part of the degree undertaking, in an academic journal or a publication, subject to consideration at the discretion of the Program Operating Committee

Plan 2.2

A Bachelor's degree in architecture, urban design, urban architecture, or other related disciplines with grade point average of not less than 3.5 and at least 1 published peer-reviewed paper or article that was not part of the degree undertaking, in an academic journal or a publication, subject to consideration at the discretion of the Program Operating Committee

2. Passed English proficiency test at the level specified by the Committee of Higher Education or according to that required by Silpakorn University
3. Possess the qualities stipulated under Article 7 of Silpakorn University Graduate Studies Regulations, 2023 and/or subsequent changes thereof.

Number of Credits

Plan 1.1	equivalent of 48 credits
Plan 1.2	equivalent of 72 credits
Plan 2.1	not less than 48 credits
Plan 2.2	not less than 72 credits

Structure of the Curriculum**Plan 1.1**

Compulsory courses	non-credit	9	credits
Thesis	equivalent to	48	credits
Total number of credits throughout the program		48	credits

Plan 1.2

Compulsory courses	non-credit	9	credits
Thesis	equivalent to	72	credits
Total number of credits throughout the program		72	credits

Plan 2.1

Compulsory courses	non-credit	9	credits
Electives	not less than	12	credits
Thesis	equivalent to	36	credits
Total number of credits throughout the program		48	credits

Plan 2.2

Foundation courses	non-credit	6	credits
Compulsory courses	a number of	9	credits
Electives	not less than	15	credits
Thesis	equivalent to	48	credits
Total number of credits throughout the program		72	credits

Note: Students are required to sit a Qualifying Examination before enrolling in a Thesis course

Courses**Foundation Courses (non-credit)**

Students in Plan 2.2 and those in other plans who do not have adequate background in landscape architecture are required to take the following non-credit courses with evaluation to be made in terms of S or U

266 510	Principles and Theories in Landscape Architecture	3*(3-0-6)
266 511	Landscape Ecology and Sustainable Development	3*(3-0-6)

Plan 1.1**1) Compulsory Courses (non-credit) 9 credits**

266 610	Advanced Research Methodology in Landscape Architecture	3*(3-0-6)
266 611	Statistics for Research	3*(3-0-6)
266 612	Doctoral Seminar in Landscape Architecture	3*(3-0-6)

2) Thesis (equivalent to 48 credits)

266 620	Thesis	equivalent to 48 credits
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Plan 1.2**1) Compulsory Courses (non-credit) 9 credits**

266 610	Advanced Research Methodology in Landscape Architecture	3*(3-0-6)
266 611	Statistics for Research	3*(3-0-6)
266 612	Doctoral Seminar in Landscape Architecture	3*(3-0-6)

2) Thesis (equivalent to 72 credits)

266 621	Thesis	equivalent to 72 credits
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*Note: * denotes non-credit courses that are evaluated in terms of S or U*

Plan 2.1**1) Compulsory Courses (non-credit) 9 credits**

266 610	Advanced Research Methodology in Landscape Architecture	3*(3-0-6)
266 611	Statistics for Research	3*(3-0-6)
266 612	Doctoral Seminar in Landscape Architecture	3*(3-0-6)

2) Elective Courses (not less than 12 credits)

266 630	Survey Research and Data Analysis	3(3-0-6)
266 631	Visual Quality Analysis and Assessment	3(3-0-6)
266 632	Urban Landscape	3(3-0-6)
266 633	Cultural Landscape	3(3-0-6)
266 634	Ecological Landscape Design and Planning	3(3-0-6)
266 635	Regenerative Landscape Design	3(3-0-6)
266 636	Material and Construction Design in Landscape Architecture	3(2-2-5)
266 637	Universal Design	3(3-0-6)
266 638	Geographic Information System in Landscape Architecture	3(2-2-5)
266 639	Special Topic Study	3(0-6-3)

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.

3) Thesis (equivalent to 36 credits)

266 622	Thesis	equivalent to 36 credits
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*Note: * denotes non-credit courses that are evaluated in terms of S or U*

Plan 2.2**1) Compulsory Courses (9 credits)**

266 610	Advanced Research Methodology in Landscape Architecture	3(3-0-6)
266 611	Statistics for Research	3(3-0-6)
266 612	Doctoral Seminar in Landscape Architecture	3(3-0-6)

2) Elective Courses (not less than 15 credits)

266 630	Survey Research and Data Analysis	3(3-0-6)
266 631	Visual Quality Analysis and Assessment	3(3-0-6)
266 632	Urban Landscape	3(3-0-6)

266 633	Cultural Landscape	3(3-0-6)
266 634	Ecological Landscape Design and Planning	3(3-0-6)
266 635	Regenerative Landscape Design	3(3-0-6)
266 636	Material and Construction Design in Landscape Architecture	3(2-2-5)
266 637	Universal Design	3(3-0-6)
266 638	Geographic Information System in Landscape Architecture	3(2-2-5)
266 639	Special Topic Study	3(0-6-3)

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.

3) Thesis (equivalent to 48 credits)

266 623	Thesis	equivalent to 48 credits
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Study Plans

Plan 1.1

Year 1 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 610	Advanced Research Methodology in Landscape Architecture	3*(3-0-6)
266 611	Statistics for Research	3*(3-0-6)
	Total	0

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 612	Doctoral Seminar in Landscape Architecture	3*(3-0-6)
	Total	0

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 620	Thesis (equivalent to)	12
	Total	12

Year 2 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 620	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 620	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 620	Thesis (equivalent to)	12
	Total	12

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

Plan 1.2

Year 1 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 610	Advanced Research Methodology in Landscape Architecture	3*(3-0-6)
266 611	Statistics for Research	3*(3-0-6)
	Total	0

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 612	Doctoral Seminar in Landscape Architecture	3*(3-0-6)
	Total	0

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 621	Thesis (equivalent to)	12
	Total	12

Year 2 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 621	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 621	Thesis (equivalent to)	12
	Total	12

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

Year 3 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 621	Thesis (equivalent to)	12
	Total	12

Year 4 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 621	Thesis (equivalent to)	12
	Total	12

Year 4 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 621	Thesis (equivalent to)	12
	Total	12

Plan 2.1

Year 1 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 610	Advanced Research Methodology in Landscape Architecture	3*(3-0-6)
266 611	Statistics for Research	3*(3-0-6)
	Electives	3
	Total	3

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 612	Doctoral Seminar in Landscape Architecture	3*(3-0-6)
	Electives	6
	Total	6

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

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
	Electives	3
	Total	3

Year 2 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 622	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 622	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 622	Thesis (equivalent to)	12
	Total	12

Plan 2.2**Year 1 Semester 1**

Course No.	Course Title	Credits (L-P-E)
266 510	Principles and Theories in Landscape Architecture	3*(3-0-6)
266 610	Advanced Research Methodology in Landscape Architecture	3(3-0-6)
266 611	Statistics for Research	3(3-0-6)
	Electives	3
	Total	9

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

Year 1 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 612	Doctoral Seminar in Landscape Architecture	3(3-0-6)
	Electives	6
	Total	9

Year 2 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 511	Landscape Ecology and Sustainable Development	3*(3-0-6)
	Electives	6
	Total	6

Year 2 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 623	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 623	Thesis (equivalent to)	12
	Total	12

Year 3 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 623	Thesis (equivalent to)	12
	Total	12

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

Year 4 Semester 1

Course No.	Course Title	Credits (L-P-E)
266 623	Thesis (equivalent to)	6
	Total	6

Year 4 Semester 2

Course No.	Course Title	Credits (L-P-E)
266 623	Thesis (equivalent to)	6
	Total	6

Course Descriptions

- 266 510 Principles and Theories in Landscape Architecture** **3(3-0-6)**
Non-credit course with evaluation in terms of S or U
- Principles and history of landscape architecture; emphasis on developments in concepts from past eras to present-day; principles and theories of landscape architecture influenced by concepts concerning physical, social, and environmental issues.
- 266 511 Landscape Ecology and Sustainable Development** **3(3-0-6)**
Non-credit course with evaluation in terms of S or U
- Principles and concepts of landscape ecology and sustainable development in landscape architecture; fundamentals of environmental concept and ecosystem; sustainable landscape design and planning.
- 266 610 Advanced Research Methodology in Landscape Architecture** **3(3-0-6)**
Plans 1.1, 1.2, and 2.1 students shall be evaluated in terms of S or U
Plan 2.2 students shall be evaluated in terms of grades
- In-depth knowledge regarding research methods, theory, formulating hypothesis, research design, collecting data, making assessments and writing reports; research ethics; qualitative and quantitative research methodologies.
- 266 611 Statistics for Research** **3(3-0-6)**
Plans 1.1, 1.2, and 2.1 students shall be evaluated in terms of S or U
Plan 2.2 students shall be evaluated in terms of grades
- Statistical methods for research; descriptive statistics, inferential statistics; presentation of conclusions, analytical results, and testing of research hypothesis.
- 266 612 Doctoral Seminar in Landscape Architecture** **3(3-0-6)**
Plans 1.1, 1.2, and 2.1 students shall be evaluated in terms of S or U
Plan 2.2 students shall be evaluated in terms of grades
- Discussions on topics relating to landscape architecture focusing on important or relevant controversial issues; emphasis on preparation of topics prior to class, developing systematic and critical thinking, exchange of opinions during seminar as preparation for study at doctoral level.

- 266 620 Thesis** **equivalent to 48 credits**
 Individual undertaking in advanced research project on a topic approved by the thesis committee with the purpose of producing new knowledge in the field of landscape architecture and environment according to ethical research process together with presentation and dissemination of work.
- 266 621 Thesis** **equivalent to 72 credits**
 Individual undertaking in advanced research project on a topic approved by the thesis committee with the purpose of producing new knowledge in the field of landscape architecture and environment according to ethical research process together with presentation and dissemination of work.
- 266 622 Thesis** **equivalent to 36 credits**
 Individual undertaking in advanced research project on a topic approved by the thesis committee with the purpose of producing new knowledge in the field of landscape architecture and environment according to ethical research process together with presentation and dissemination of work.
- 266 623 Thesis** **equivalent to 48 credits**
 Individual undertaking in advanced research project on a topic approved by the thesis committee with the purpose of producing new knowledge in the field of landscape architecture and environment according to ethical research process together with presentation and dissemination of work.
- 266 630 Survey Research and Data Analysis** **3(3-0-6)**
 Knowledge and understanding of the entire survey research process and methodology; defining research questions, research and questionnaire design, sampling, methods of data collection, analysis, and interpretation of findings; using basic and advanced statistical methods for data analysis.
- 266 631 Visual Quality Analysis and Assessment** **3(3-0-6)**
 Visual quality and the application of analytical process relating to physical, cultural and social contexts; principles, theories, and techniques in visual quality analysis and assessment for study at doctoral level.

- 266 632 Urban Landscape** **3(3-0-6)**
 Landscape features in urban areas, identity, landmark, and historical significance; recreational and open space systems and environmental influence on humans; techniques for landscape planning and design in urban areas to improve visual quality of urban environment for study at doctoral level.
- 266 633 Cultural Landscape** **3(3-0-6)**
 Man-made landscape created by people of different cultural groups; emphasis on human settlement patterns, land-division patterns for economic and social uses, and architectural styles of buildings and structures for study at doctoral level.
- 266 634 Ecological Landscape Design and Planning** **3(3-0-6)**
 Integration of ecological concepts into landscape architecture; ecological concepts; landscape structure; landscape development and change; ecological approach to landscape design and planning for study at doctoral level.
- 266 635 Regenerative Landscape Design** **3(3-0-6)**
 Landscape architectural design that aims towards revitalization and renewal of environment and ecosystem; emphasis on ecological process and integration of the process into landscape design and function for study at doctoral level.
- 266 636 Material and Construction Design in Landscape Architecture** **3(2-2-5)**
 Physical properties, nature and limitations of materials used in landscape architecture design and construction; principles of design using appropriate materials and construction techniques for landscape architecture for study at doctoral level.
 Field trips required.
- 266 637 Universal Design** **3(3-0-6)**
 Design principles for universal design to promote equality for the disabled, the elderly, the young, and the healthy to be able to access all places within urban areas; emphasis on design principles for buildings and infrastructure improvements for study at doctoral level.

266 638 Geographic Information System in Landscape Architecture 3(2-2-5)

Practical use of advanced Geographic Information System (GIS) in landscape architecture; developing and undertaking relatively complicated landscape architecture projects using GIS for study at doctoral level.

266 639 Special Topic Study 3(0-6-3)

Note: Permission from the person in charge of the course required for enrollment

Topic of special interest or current issues concerning landscape architecture for study at doctoral level.