

LANDSCAPE DESIGN & HORTICULTURE COURSE MODULES (YEAR 3)

Our City in a Garden didn't get its moniker by chance. You too can be the drive behind our green landscape! If you have a love for nature and a flair for design, the Diploma in Landscape Design & Horticulture [LOH] will put you on the right track to develop and enrich Singapore's green spaces. Combining landscape design, plant science and horticulture management, LOH is the only diploma-level course of its kind in Singapore. Thanks to our strong partnership with National Parks Board, much of your practical training, field training and outdoor lessons will take place at the Singapore Botanic Gardens and other parks.

In your first year, you will develop skills in landscape design and learn about urban ecology and conservation, as well as plant taxonomy. You will progress on to learn about horticulture and turf management, genetics and breeding of plants, and hardscape and softscape designs in your second year

In your final year, you will get to go for a 22-week internship that provides you with an opportunity to put your learning into practice in a work environment. You will also be able to undertake a project to apply your horticulture and plant science knowledge to develop innovative landscape designs or deepen your horticultural knowledge and skills.

In addition, this course will provide you with the opportunity to hone your horticultural and project management skills at the Singapore Botanic Gardens and many other parks and project sites in Singapore.

LEVEL 3.1

Landscape Project Management

This module covers concepts of project management within the horticulture industry, work planning, cost analysis and risk management. Other topics include construction management, cost estimates and measurements, horticultural contract specifications, work supervision and schedules. Students will use project management software and analyse case studies.

Landscape Studio 3 - Independent Projects

In this module, students will undertake individual projects that involve the entire landscape design process, addressing various aspects of landscape design taught in the first and second year.

Leisure & Park Management

This module examines the philosophy, history, psychology, science and development in leisure and park management. It will also cover the principles, practices and economics of such management and some contemporary issues on recreation and leisure. Site visits will enable students to integrate theory with practice.

Project

Students will work in groups and undertake developmental projects in an area that is of interest to them, either in horticultural research or landscape design, under the supervision of a staff member. In the course of their projects, students will acquire knowledge in literature research and gain technical expertise that will prepare them for working in the industry. They will submit a final year report and present their project through oral presentations.

Urban Horticulture Technology

This module introduces current technologies used in the landscape and horticulture industries. Topics include introduction to structural materials, horticultural machinery and tools, irrigation systems and greenhouse management. Planting technologies such as hydroponic operations, vertical farming, greenroof and wall systems will also be covered.

Project ID: Connecting the Dots[^]

This module aims to prepare students for an increasingly globalized and interconnected world where problems are multi-faceted and require interdisciplinary research and collaboration to solve. Using a project-based learning approach, students will have the opportunity to work in a multi-disciplinary team to investigate and propose comprehensive recommendations for a pressing real-world problem affecting Singapore. They will be guided to step out of their disciplinary silos and effectively communicate and collaborate with peers from different backgrounds. Ultimately, the module seeks to develop independent learning skills and the ability to synthesize diverse strands of knowledge to solve a complex problem, while impressing on students the importance of being a responsible global citizen.

LEVEL 3.2

Internship

In this 22-week programme, students will be attached to private companies or government bodies. They will be exposed to the rigours of the industry in a real-time environment, and will receive valuable on-the-job training in areas of landscape implementation, cut flower retail, nursery management, turf management and horticulture management.

COURSE CURRICULUM (YEAR 3)

| Module Name | Credit Units |
|---|--------------|
| YEAR 3 | |
| Level 3.1 (25.5 hours per week) | |
| Landscape Project Management | 3 |
| Landscape Studio 3 - Independent Projects | 6 |
| Leisure & Park Management | 2.5 |
| Project (Choose 1): | 5 |
| • Landscape Design | |
| • Horticultural Research | |
| Urban Horticulture Technology | 5 |
| Project ID: Connecting the Dots ^ | 4 |
| Level 3.2 (22 hours per week) | |
| Internship | 20 |

Notes:

^ For more details on Interdisciplinary Studies (IS) electives, please log on to www.np.edu.sg/is/

IS Modules

The School of Interdisciplinary Studies (IS) delivers a broad-based curriculum, which nurtures a new generation of professionals with multidisciplinary skills and an innovative and entrepreneurial spirit to meet the challenges of a knowledge economy. IS offers both prescribed modules and electives to challenge boundaries. Prescribed modules develop students' competencies in core areas such as Communication, Innovation and Enterprise, Culture and Communication, and Personal Mastery and Development, while elective modules provide insights into Arts and Humanities, Business, Design, and Science and Technology.