# POLITEKNIK
## MALAYSIA
### NILAI

# STUDENT HANDBOOK

# PROGRAMME DIPLOMA IN LANDSCAPE HORTICULTURE

# 1.0 INTRODUCTION

T he future desires smart communities as the current landscape education system has been an effective, holistic and competitive. Landscape Horticulture is a field that involves in production and use of plants to beautify the private and public spaces. This programme focuses on the development and management of landscape area which deals with plants production, landscape design, installation, maintenance and management. It promotes the use of blue-green infrastructure, food security through urban farming and sustainable landscape design. The Diploma in Landscape Horticulture is a three-year full-time programme comprising six semesters course work including one semester of industrial training. It provides students with a solid foundation in technical knowledge and skills quintessential to prepare students for their future role as landscape horticulturists.

# 2.0 PROGRAMME OFFERED

## 2.1 DIPLOMA IN LANDSCAPE HORTICULTURE (DLH)

### 2.1.1 SYNOPSIS

D iploma in Landscape Horticulture is designed to cover the wide discipline of landscape horticulture, with specialization in Horticulture, Plant Production, Landscape Design, Landscape Technology, Landscape Installation and Landscape Management. The knowledge and skills coverage of landscape horticulture field would provide graduates with a wide range of employment opportunities as well as the ability to become job creators.

# 2.1.2 PROGRAMME AIMS (PA)

The programme believes that every individual has potential to produce an innovative, responsible, and competent Senior Assistant Landscape Horticulturist in supporting the country's aspiration of enhancing environment quality towards Malaysia Beautiful Garden Nation.

# 2.1.3 PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

Diploma in Landscape Horticulture should produce balance Landscape Horticulturist who:

1. Apply fundamental knowledge, understanding and technical skills of landscape horticulture in providing solution for landscape horticulture issues and challenges

2. Integrate values, attitudes, professionalism, and social skills in engaging with society and stakeholder

3. Alternately adopt the roles of a leader and a team member, and communicate effectively in assisting and providing creative solutions for landscape horticulture problems

4. Engaged in activities to embark entrepreneurial skills for career advancement and innovatively assist to manage resources and information

# 2.1.4 PROGRAMME LEARNING OUTCOME (PLO)

Upon completion of the programme, students should be able to:

| | |
|---|---|
| 1. | *apply fundamental knowledge of horticulture, design, installation, and maintenance, to assist in providing solutions to landscape horticulture issues* |
| 2. | perform landscape horticulture tasks based on industrial requirement |
| 3. | *demonstrate social skills and responsibilities in landscape horticulture industry* |
| 4. | demonstrate positive values, ethics and accountability in engaging with society and stakeholders |
| 5. | *display effective communication by taking alternate role as a leader and a team member in related landscape horticulture task* |
| 6. | analyze issues and provide solutions in landscape horticulture by employing appropriate and relevant scientific approaches |
| 7. | *demonstrate information management and lifelong learning skills from various sources* |
| 8. | integrate good entrepreneurial and managerial skills in landscape horticultural field |

# 2.1.5 JOB PROSPECT

The knowledge and skills acquired by the students from the programme will enable them to participate in the latest related job market demands that provide landscape design, construction and maintenance services, as well as garden centers, nurseries, golf courses and urban parks and public works departments. The knowledge and skills that the students acquire from the programme will enable them to participate in the job market as:-

**LANDSCAPE SITE SUPERVISOR** ⌀ ASSISTANT HORTICULTURIST ⌀

**ASSISTANT LANDSCAPE ARCHITECT** ⌀ NURSERY ENTREPRENEUR ⌀

**JUNIOR ARBORIST** ⌀ LANDSCAPE CONTRACTOR

# 3.0 REGULATIONS FOR COURSE REGISTRATION

## COURSE REGISTRATION

1. Course registration will be implemented at the beginning of each semester within **SEVEN (7)** days from the official date of the semester begins after the self-report is completed.
2. Students must meet the amount of credit allowed by adding other courses offered in the current semester.
3. The Head of the Academic Department is responsible for ensuring the students has registered for the course.
4. For cases involving students transfer from another polytechnic, all student registration matters need to be resolved by the Department of Student Affairs referring to the *Panduan Pengambilan dan Pengurusan Pelajar Politeknik* before course registration is implemented in the department.

## COURSE CREDIT

1. Credit for each course is as stated in the current *Dokument Kurikulum dan Struktur Program* approved by *Lembaga Kurikulum Kursus Pengajian Program dan Latihan Politeknik.*
2. Number of credits to be taken by the student for each semester is between Twelve (12) to Twenty (20) or as specified in the current *Document Kurikulum dan Struktur Program*.
3. The minimum credit amount to be collected by the students before they are eligible to be considered for the award of an academic certificate are stated in the current *Document Kurikulum dan Struktur Program*.

## CARRY COURSES/CARRY SEMESTER

Students need to repeat all failed courses (grade point <2.00) including the General Courses (such as Islamic Studies, Civilization etc) and the Dicipline Courses.
Students with carry courses must discuss and get advice from Academic Advisor (PA) and approved by Head Of Department.
Students should repeat all the learning activities of the courses in addition to other courses for that semester.

## DROP/ADD COURSES

Students who have registered for courses can drop or add courses, provided that the number of credit hours for that semester no less or no more than a specified number of credit hours.

The dropping and adding courses must be done within the prescribed period and they must seek for advice from Academic Advisor (PA) and approval from Head of Department.

Drop/Add courses can be done during the third to six ($3^{rd}$ – $6^{th}$) week of the semester.

## ATTENTION

Students who have registered should follow the learning activities for the course.

In order to evaluate the learning activities undertaken by a student, students must achieve a minimum percentage of attendance.

(Rujukan: Arahan-Arahan Peperiksaan dan Kaedah Penilaian (Diploma) dikeluarkan oleh Bahagian Peperiksaan dan Penilaian, JPPKK, Edisi 6 2019)

# 4.0 PROGRAMME STRUCTURE

| CODE | NAME | CREDIT | PRE-REQUISITE |
|------|------|--------|---------------|
| **COURSE** | | **CREDIT** | **PRE-REQUISITE** |
| **SEMESTER 1** | | | |
| MPU21032 | Penghayatan Etika dan Peradaban | 2 | NONE |
| DUE10012 | Communicative English 1 | 2 | |
| MPU24XX1 | Sukan / Unit Beruniform 1 | 1 | |
| DUW10012 | Occupational, Safety and Health | 2 | |
| DBM10133 | Mathematics for Technology | 3 | |
| DYL10012 | Plant Science | 2 | |
| DYL10243 | Introduction to Landscape Horticulture | 3 | |
| DYL10253 | Landscape Graphic | 3 | |
| | ***TOTAL*** | **18** | |
| **SEMESTER 2** | | | |
| MPU23052 | Sains, Teknologi dan Kejuruteraan Dalam Islam * | 2 | NONE |
| MPU23042 | Nilai Masyarakat Malaysia ** | | |
| MPU24XX1 | Kelab / Persatuan / Unit Beruniform 2 | 1 | MPU24XX1 |
| DYA10013 | Soil Science | 3 | NONE |
| DYL20023 | Nursery Operation | 3 | |
| DYL20032 | Basic Landscape Design | 2 | DYL10253 |
| DYL20063 | Plant Identification | 3 | NONE |
| DYL20093 | Landscape Computer Graphic | 3 | |
| | ***TOTAL*** | **17** | |
| **SEMESTER 3** | | | |
| DUE30022 | Communicative English 2 | 2 | DUE10012 |
| MPU22012 | Entrepreneurship | 2 | NONE |
| DYL30042 | Turf Management | 2 | |
| DYL30083 | Planting Design | 3 | |
| DYL30114 | Landscape Installation | 4 | |
| DYL30262 | Plant Health Care | 2 | |
| DYL30272 | Landscape Construction Material and methods | 2 | |
| | ***TOTAL*** | **17** | |

| | SEMESTER 4 | | | |
|---|---|---|---|---|
| DUE50032 | Communicative English 3 | 2 | |
| DYL40133 | Landscape Site Design | 3 | |
| DYL40152 | Final Project 1 | 2 | |
| DYL40284 | Landscape Technology | 4 | |
| DYL40293 | Landscape Maintenance | 3 | |
| | Elective 1 | | |
| DYL40162 | Arboriculture | | |
| DYL40172 | Photography | 2 | |
| DYL40302 | Visual Art & Illustration | | |
| | *TOTAL* | **16** | |
| | SEMESTER 5 | | | |
| DUG30023 | Green Technology Compliance | 3 | |
| DYL50194 | Project Management | 4 | |
| DYL50205 | Final Project 2 | 5 | |
| | Elective 2 | | |
| DYL50232 | Floriculture | 2 | |
| DYL50312 | Urban Horticulture | | |
| | *TOTAL* | **16** | |
| | *TOTAL CREDIT* | **91** | |