

DIPLOMA IN PALM OIL MILLING TECHNOLOGY AND MANAGEMENT

DIPOM 2024



DATE

SEMESTER I	29 APRIL – 7 MAY 2024
SEMESTER II	4 – 12 JUNE 2024
SEMESTER III	1 – 10 JULY 2024
FINAL EXAMINATION	22 – 23 JULY 2024

VENUE

MPOB HEAD OFFICE, BANGI



Malaysian Palm Oil Board (MPOB)
Ministry of Plantation and Commodities
www.mpob.gov.my

CONTENTS

Foreword	1
Introduction	2
Who Should Attend	2
Entry Qualifications	2
Objectives	2
Course Period	3
Course Fee	3
Payment	3
Examination and Project Reports/Assignments	3
Course Content	
Semester I	4
Semester II	5
Semester III	6
Application Procedure	7
Registration Form	9

FOREWORD

I am pleased to announce that the Malaysian Palm Oil Board (MPOB) in collaboration with the Institute of Malaysian Plantation and Commodities (IMPAC) together with various oil palm organisations from the industry and government agencies, continue to offer the Diploma in Palm Oil Milling Technology and Management (DIPOM). This course encompasses not only oil palm and palm oil technologies but also the management aspects of a palm oil mill. This unique technical training provides knowledge in the upstream and downstream aspects of palm oil production.

This Diploma caters to the needs of a wide spectrum of target groups – mill managers, assistant mill managers and supervisors. Lately, participants for DIPOM included fresh university graduates and those intending to join the oil palm industry.

MPOB has been offering this annual palm oil training programme since 1991. The programme was upgraded to a Diploma in 1999. To date, 31 programmes have been conducted.

This programme is designed and improved annually by the Technical Committee comprising members and experts from the oil palm industry, associations and government agencies.

The Diploma is a valuable asset for career advancement in the milling industry. The majority of past participants have been promoted to senior positions whilst others gained salary increments.

Feedback on the programme from past participants has been favourable. They had gained new insights into the latest oil palm technology from discussions and interaction with experts in the different fields. Interactions and sharing of experiences with their fellow participants from various organisations have further enhanced their knowledge in palm oil milling and management.

It is therefore our utmost pleasure to invite you to participate in this course.

Thank you.



Datuk Dr. Ahmad Parveez Ghulam Kadir
Director-General
Malaysian Palm Oil Board

DIPLOMA IN PALM OIL MILLING TECHNOLOGY AND MANAGEMENT

INTRODUCTION

The Malaysian Palm Oil Board (MPOB) offers the Diploma in Palm Oil Milling Technology and Management (DIPOM). Thirty one courses have been conducted since 1991-2023, with training in oil palm management, palm oil technology and overall management of palm oil mills.

DIPOM is a qualification which will pave the way for career advancement for those in the oil palm industry. Participants are assessed on project assignments and an examination.

The Diploma, comprising lectures, project reports, assignments, practical and examination, is conducted in English. Participants are encouraged to actively participate in discussions and interactions with experts from the oil palm industry, related agencies and MPOB.

WHO SHOULD ATTEND?

Individuals from the oil palm industry and other interested parties involved either directly or indirectly with the crop. Those intending to move to the palm oil industry, including fresh graduates, are encouraged to apply.

ENTRY QUALIFICATIONS

- For Malaysian only.
- Sijil Pelajaran Malaysia (SPM) or equivalent with minimum two years working experience in palm oil mill and will be given preference sponsored by their respective organisations.
- Basic proficiency in English.

OBJECTIVES

The objective of the programme is to expose participants to various technologies related to palm oil and its products with the emphasis on milling management. At the end of the course, participants should be:

- knowledgeable on the current development and status of the palm oil industry;
- acquainted with research and developments in oil palm and palm oil;
- able to discuss the latest developments with the industry experts; and
- able to apply the principles of management in their work.

COURSE PERIOD

The course consists of three semesters in 24 days.

Semester	Period	Duration
I	29 April – 7 May 2024	6 days
II	4 – 12 June 2024	8 days
III	1 – 10 July 2024	8 days
Final Examination	22 – 23 July 2024	2 days
No. of days		24 days

COURSE FEE

The course fee is **RM4000.00** per participant.

The fee will cover lectures and inclusive of course materials, meals, refreshments and visits.

EXAMINATION AND PROJECT REPORTS/ASSIGNMENTS

Examination and project reports/assignments will be used to gauge the performance of participants.

Title	Percentage (%)
Examination	70
Project Reports/Assignments (1 and 2)	30

PAYMENT

- Payment can be done by bank transfer or cheque.
- Please send us a copy of the bank slip once payment has been made by email to hakem@mpob.gov.my.

Beneficiary : Malaysian Palm Oil Board
Bank Beneficiary : CIMB Islamic Bank Berhad
Tingkat Bawah dan Tingkat Satu,
Blok A-2 & A-3, MKH Avenue,
Jalan Avenue 1A,
43000 Kajang, Selangor
SWIFT Code : CTBBMYKL
CIMB Bank Current Account : 8600471810

COURSE CONTENT

SEMESTER I

Lecture No.	Lecture	Hour
1.	The Oil Palm (Part I)	1.5
2.	The Oil Palm (Part II)	1.5
3.	Estate Management	1.5
4.	Palm Oil Chemistry	1.5
5.	Fresh Fruit Bunch Reception and Grading	1.5
6.	Sterilisation Station - Design	1.5
7.	Threshing and Pressing Station - Design	1.5
8.	Kernel Recovery Plant - Design	1.5
9.	Clarification Station - Design	1.5
10.	Sterilisation Station - Operation	1.5
11.	Threshing and Pressing Station - Operation	1.5
12.	Kernel Recovery Plant - Operation	1.5
13.	Clarification Station - Operation	1.5
14.	Product Storage and Handling	1.5
15.	Quality Control	1.5
16.	Laboratory: Equipment and Analysis	1.5
17.	Process Control to Enhance OER	1.5
18.	Effluent Treatment Plant	1.5
19.	Palm Oil Application	1.5
20.	Palm Oil Marketing	1.5

SEMESTER II

Lecture No.	Lecture	Hour
1.	Environmental Quality Act 1974	1.5
2.	OSHA 18001	1.5
3.	Basic Electrical Theory	1.5
4.	Electrical Applications in Palm Oil Mill	1.5
5.	Irrigation and Land Application	1.5
6.	Raw and Boiler Water Treatment	1.5
7.	Turbine Operation and Maintenance	1.5
8.	Boiler Operation and Maintenance	1.5
9.	Air Pollution Control System	1.5
10.	Pump Operation and Maintenance	1.5
11.	Fan Selection Operation and Maintenance	1.5
12.	Bearings Types, Application, Installation and Failure Analysis	1.5
13.	Power Station Operation	1.5
14.	Fuel Steam Balance	1.5
15.	Diesel Engines	1.5
16.	Maintenance and Workshop	1.5
17.	Control Theory and System Integrate	1.5
18.	Noise Control	1.5
19.	Biogas Capture and Application	1.5
20.	Biomass Utilization	1.5

SEMESTER III

Lecture No.	Lecture	Hour
1.	Introduction to ISO 9001	1.5
2.	Introduction to ISO 14000	1.5
3.	Industrial Relations and Labor Law	1.5
4.	Introduction and Implementation of MSPO	1.5
5.	Licensing and Enforcement for Palm Oil Mill	1.5
6.	Palm Oil Current Issues and Challenges	1.5
7.	Introduction to Accounting and Costing	1.5
8.	Understanding Financial Statements	1.5
9.	Principle of Budgeting and Budgeting of Palm Oil Mill Operation	1.5
10.	Cost Savings in Palm Oil Mill Operations	1.5
11.	Purchasing and Inventory Control	1.5
12.	Factory Management	1.5
13.	Risk Management and Insurance	1.5
14.	Security	1.5
15.	Tribology and Lubrication	1.5
16.	Introduction to Food Safety and Quality	1.5
17.	Technical Visit	

APPLICATION PROCEDURE

A complete application form with payment should be sent to the **Malaysian Palm Oil Board** before **5 April 2024**. Registration can only be confirmed upon receipt of payment or the sponsorship guarantee letter.

VENUE

The course venue will be at MPOB Head Office, 6, Persiaran Institusi, Bandar Baru Bangi, 43000 Kajang, Selangor.

ENQUIRIES

Che Rahmat Che Mat

Technical Secretary of DIPOM

Tel : 03-8769 4448

E-mail : cherahmat@mpob.gov.my

Nurul Aishah Musa

Training and Conference Management Unit

Tel : 03-8769 4568

E-mail : nurul.aishah.musa@mpob.gov.my

Mohd Hakeem Osman

Training and Conference Management Unit

Tel : 03-8769 4396

E-mail : hakem@mpob.gov.my

Disclaimer: The organiser reserves the right to change or amend the course date/content/programme.



REGISTRATION FORM

Please complete and mail it to MPOB or fax to 03-8925 7549 before **5 April 2024**

PLEASE USE CAPITAL LETTERS THROUGHOUT, IF NOT TYPE WRITTEN

Note: * Delete whichever is not applicable

Name of Course:

DIPLOMA IN PALM OIL MILLING TECHNOLOGY AND MANAGEMENT (DIPOM) 2024

1. Full Name (as in Malaysian I.C)

2. NRIC No.

3. Male

4. Nationality

Vegetarian/ Non-vegetarian*

6. Mailing Address

7. E-mail

8. HP No.

9. Name of Employer

10. Private/ Government/ Semi-Government*

11. Employer's Address

12. Position/Job title

13. Tel. No.

14. Highest Academic Qualification

15. Experience (years):

Degree

minimum two years (for Palm Oil Mill Engineers)

Diploma

minimum 10 years (for Palm Oil Mill Supervisors)

Secondary school certificate/SPM

I certify to the best of my knowledge that the above statements are correct.



Signature of Applicant _____

Date: _____

16. PAYMENT FOR REGISTRATION FEE

Cheque No. _____ Amount: RM _____

17. CONTACT PERSON AT SPONSORING ORGANISATION

Name: _____

Designation: _____

Organisation: _____

Address: _____

Tel. No. _____ Fax No. _____ Email: _____

I certify to the best of my knowledge that the above statements are correct.

Signature _____

Date: _____

18. APPLICATION PROCEDURE

Participants are advised to send their completed application form with payment payable to **Malaysian Palm Oil Board** before **5 April 2024** and send it to:

Director-General
Malaysian Palm Oil Board (MPOB)
6 Persiaran Institusi
Bandar Baru Bangi
43000 Kajang, Selangor

(Attn: Mohd Hakeem Osman, Training and Conference Management Unit)

Registration will only be confirmed on receipt of the application form and payment.





MPOB Press
Malaysian Palm Oil Board

Ministry of Plantation and Commodities
6 Persiaran Institusi, Bandar Baru Bangi
43000 Kajang, Selangor, Malaysia
www.mpob.gov.my