

HRODC Postgraduate Training Institute

A Postgraduate-Only Institution

174

**Comprehensive Production and Operations
Management**

Course or Seminar

Leading To:

**DIPLOMA – POSTGRADUATE IN
Comprehensive Production and
Operations Management (Quad Credit)**

Accumulating to

**POSTGRADUATE DIPLOMA
Progressing To A Masters Degree –**

MBA – MSc - MA

Course Coordinator:

Prof. Dr. R. B. Crawford – Director of HRODC Ltd. and Director of HRODC Postgraduate Training Institute, A Postgraduate-Only Institution. He has the following Qualifications and Affiliations:

- Doctor of Philosophy (PhD) (University of London);
- MEd. Management (University of Bath);
- Advanced Dip. Science Teacher Ed. (University of Bristol);
- Postgraduate Certificate in Information Systems (University of West London, formerly Thames Valley University);
- Diploma in Doctoral Research Supervision, (University of Wolverhampton);
- Teaching Certificate;
- Fellow of the Institute of Management Specialists;
- Human Resources Specialist, of the Institute of Management Specialists;
- Member of Academy of Management (MAoM), within the following Management Disciplines:
 - Human Resources;
 - Organization and Management Theory;
 - Organization Development and Change;
 - Research Methods;
 - Conflict Management;
 - Organizational Behavior;
 - Management Consulting;
 - Gender & Diversity in Organizations; and
 - Critical Management Studies.
- Member of the Asian Academy of Management (MAAM);
- Member of the International Society of Gesture Studies (MISGS);
- Member of the Standing Council for Organisational Symbolism (MSCOS);
- Life Member of Malaysian Institute of Human Resource Management (LMIHRM);
- Member of ResearchGate Community;
- Member of Convocation, University of London;
- Professor HRODC Postgraduate Training Institute.

Prof. Crawford was an Academic at:

- University of London (UK);
- London South Bank University (UK);

- University of Greenwich (UK); and
- University of Wolverhampton (UK).

For Whom This Course is Designed

This Course is Designed For:

- Industrial Engineers;
- Operations Managers;
- Production Managers;
- Production Planners;
- Systems Engineers;
- Manufacturing Engineers;
- Supply Chain and Logistics Managers and Professionals;
- Purchasing and Procurement Managers;
- Retailers;
- Financial Managers;
- Project Managers;
- Distribution Centre Supervisors;
- Manufacturers and Industries;
- Academicians, Researchers, NGOs and Practitioners;
- Those who interface with the production and operations function;
- Those who need to develop their understanding about production and operations management.

Duration:20 Days (1 Month)

Cost:£20,000.00Per Delegate

Please Note:

- V.A.T. (Government Tax) does not apply to Corporate Sponsored Individuals, taking Programmes or Courses in any location - within or outside the UK.
- It applies only to Individuals and Corporations based in the UK and to Non-UK Individual Residents taking courses in the UK.

Cost includes:

- Free Continuous snacks throughout the Event Days;
- Free Hot Lunch on Event Days;
- Free City Tour;
- Free Stationery;

- Free On-site Internet Access;
- Diploma – Postgraduate –in **Comprehensive Production and Operations Management (Quad Credit)**; or
- Certificate of Attendance and Participation – if unsuccessful on resit.

HRODC Postgraduate Training Institute’s Complimentary Products include:

1. HRODC Postgraduate Training Institute’s **Leather Conference Folder**;
2. HRODC Postgraduate Training Institute’s **Leather Conference Ring Binder/ Writing Pad**;
3. HRODC Postgraduate Training Institute’s **Key Ring/ Chain**;
4. HRODC Postgraduate Training Institute’s **Leather Conference (Computer – Phone) Bag** – Black or Brown;
5. HRODC Postgraduate Training Institute’s **8GB USB Flash Memory Drive**, with Course Material;
6. HRODC Postgraduate Training Institute’s**Metal Pen**;
7. HRODC Postgraduate Training Institute’s **Polo Shirt**.

Please see product images, as a separate file - Complimentary Products For Students and Delegates, from HRODC Postgraduate Training Institute.

Daily Schedule:9:30 to 4:30 pm.

Location: Central London and International Locations

**Course Programme for Comprehensive Production and Operations Management
Leading to Diploma-Postgraduate in
Comprehensive Production and Operations Management (Quad Credit)**

Part 1 - Introduction to Operations Management

- Defining Operations Management (OM)
- Producing Goods and Services
- Importance of Studying Operations Management

Part 2 - Operations Management in the Global Environment

- Operations: Global View
- Formulating Missions and Visions
- Achieving Competitive Advantage Through Operations
- Strategic Operations Management Decisions

Part 3 - Project Management

- Importance of Project Management
- Project Planning
- Variability in Activity Times

Part 4 - Demand Forecast

- Forecasting Definition
- The Importance of Forecasting
- Steps in Forecasting System

Part 5 - Product Design

- Selecting Goods and Services
- New Product Generation

Part 6 - Quality Management and International Standard

- Quality and Strategy
- Quality Definition
- International Quality Standards

Part 7 - Process Design

- Process Strategies
- Process Analysis and Design
- Special Considerations for Service Process Design

Part 8 - Location

- Importance of Location
- Factors Affecting Location Decisions

Part 9 - Layout

- Importance of Layout Decisions
- Types of Layout
- Office Layout

Part 10 - Job Design and Work Measurement

- Human Resource Strategy for Competitive Advantage
- Labour Planning
- Job Design
- Ergonomics and the Work Environment

Part 11 - Supply Chain Management

- Importance of Supply Chain
- Performance Evaluation: Audits and Metrics
- Ethical Issues in Outsourcing

Part 12 - Conducting Inventory Management

- The Importance of Inventory
- Functions of Inventory
- Types of Inventory
- Probabilistic Models and Safety Stock

Part 13 - Effective Scheduling

- The Planning Process
- Planning Horizons
- The Nature of Aggregate Planning

Part 14 - Material Requirements Planning (MRP) and Enterprise Resource Planning ERP

- Dependent Demand
- Dependent Inventory Model Requirements

Part 15 - The Principles of Short Term Scheduling

- Short-Term Scheduling: Importance
- Scheduling Issues
- Forwards and Backward Scheduling

Part 16 - Just-in-Time (JIT) and Lean Operations

- Just-in-Time and Lean Operations
- Just-in-Time (JIT)
- JIT Performance

Part 17 - Making Maintenance and Reliability Decisions

- Maintenance and Reliability: Importance
- Principle of Reliability
- Maintenance

Part 18 - Decision Modeling

- The Decision Process in Operations
- Fundamentals of Decision Making
- Decision Tables

Part 19 - Familiarising with Linear Programming Models

- Importance of Linear Programming
- Requirements of Linear Programming Problems
- Formulating Linear Programming Problems

Part 20 - Conceptualising Transportation Modelling

- Transportation Modelling
- Developing an Initial Solution
- The Stepping-Stone Method

Part 21 - Queuing Models

- Queuing Theory

- Characteristics of a Waiting-Line System
- Queuing Costs
- The Variety of Queuing Models
- Other Queuing Approaches

Part 22 - Learning Curves

- Defining Learning Curve
- Learning Curves in Service and Manufacturing
- Learning Curve Application

Part 23 - Modelling with Simulation

- Defining IS Simulation
- Advantages and Disadvantages of Simulation
- Monte Carlo Simulation

Service Contract, incorporating Terms and Conditions

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The submission of our application form or otherwise registration by of the submission of a course booking form or e-mail booking request is an attestation of the candidate's subscription to our Policy Terms and Conditions, which are legally binding.

Prof. Dr. R. B. Crawford - Director HRODC Postgraduate Training Institute