

## **CPIM Version 9.0 - Course Agenda – 25 of 2 hour classes**

### **Pre-Course Preparation - 2 hours**

- Complete the Pre-Test - in the online learning system - <https://apics.partnerrc.com>
- Read the CPIM Exam Content Manual (at the start of the CPIM Version 9.0 Participant Workbook)
- Read Module 1: Supply Chains and Strategy, Section A: Supply Chains, the Environment, and Strategy

### **Class 1 – 2 hours**

- Introduce APICS CPIM Version 9.0
- Instructor and Participants Introduction
- Introduce Course and CPIM Version 9.0 Online Learning System
- Review Instructor and Participant Responsibilities
- Review supporting technical environment: Zoom, Quizzes, Kahoot
- Introduce The Fresh Connection (TFC - online supply chain simulation activity)
- Module 1: Supply Chains and Strategy, Section A: Supply Chains, the Environment, and Strategy
- Case Study: Competitive Strength Assessment

### **Class 2 – 2 hours**

- Module 1: Supply Chains and Strategy, Section B: Environmental Analysis and Strategy Scope
- Case Study: Flextronics
- Module 1: Supply Chains and Strategy, Section C: Developing and Managing Strategy at Various Levels
- Case Study: Burger King Performance Objectives
- Case Study: Dell
- Online Flashcards and Quiz's
- The Fresh Connection (TFC – Introduction)

### **Class 3 – 2 hours**

- Module 1: Supply Chains and Strategy, Section D: Performance Monitoring and KPIs
- Case Study: Production Strategy Case Study
- Case Study: Tesco Versus WebVan
- Module 2: Sales and Operations Planning, Section A: S&OP Purpose and Process
- Online Flashcards and Quiz's
- The Fresh Connection (TFC - Sales)

### **Class 4 – 2 hours**

- Module 2: Sales and Operations Planning, Section B: Aggregate Demand and Supply Plans
- Module 2: Sales and Operations Planning, Section C: Reconciling S&OP Plans
- Online Flashcards and Quiz's
- The Fresh Connection (TFC – Supply Chain)

### **Class 5 – 2 hours**

- Module 3: Demand, Section A: Demand Management
- Module 3: Demand, Section B: Sources of Demand/Forecasting
- Online Flashcards and Quiz's
- The Fresh Connection (TFC - Operations)

### **Class 6 – 2 hours**

- Module 3: Demand, Section B: Sources of Demand/Forecasting (continued)
- Module 3: Demand, Section C: Forecast Performance
- Case Study: Hybrid Production Planning Method Activity
- Online Flashcards and Quiz's
- The Fresh Connection (TFC - Purchasing)

### **Class 7 – 2 hours**

- Module 4: Internal Supply, Section A: Functional and Operational Strategies
- Module 4: Internal Supply, Section B: Environments, Types, and Layouts
- Module 4: Internal Supply, Section C: Creating the Master Schedule

- Online Flashcards and Quiz's
- The Fresh Connection (TFC - Voting session and calculate)

#### **Class 8 – 2 hours**

- Module 4: Internal Supply, Section D: Rough-Cut Capacity Planning and MPS Validation
- Case Study: Make-to-Stock (MTS) Company with a Multilevel Distribution Network
- Module 4: Internal Supply, Section E: Using and Maintaining the Master Schedule
- Online Flashcards and Quiz's
- The Fresh Connection (TFC - Voting session debrief)

#### **Class 9 – 2 hours**

- Module 4: Internal Supply, Section F: Material Requirements Planning
- Module 4: Internal Supply, Section G: CRP, Order Promising, and Final Assembly Scheduling
- Online Flashcards and Quiz's

#### **Class 10 – 2 hours**

- Module 4: Internal Supply, Section H: Changes and Supply Disruptions
- Module 5: External Supply and Key Support Functions, Section A: Suppliers and Procurement
- Module 5: External Supply and Key Support Functions, Section B: Purchasing and Maintenance
- Module 5: External Supply and Key Support Functions, Section C: Risk Management
- Online Flashcards and Quiz's

#### **Class 11 – 2 hours**

- Module 5: External Supply and Key Support Functions, Section D: Sustainability Strategies
- Module 5: External Supply and Key Support Functions, Section E: Waste Hierarchy and Reverse Logistics
- Case Study: Managing a Special Customer Order Activity
- Online Flashcards and Quiz's

#### **Class 12 – 2 hours**

- Module 6: Inventory, Section A: Inventory Planning
- Module 6: Inventory, Section B: Inventory Costs, Basic Accounting, Costing and Metrics
- Online Flashcards and Quiz's

#### **Class 13 – 2 hours**

- Module 6: Inventory, Section C: Inventory Management
- Module 6: Inventory, Section D: Inventory Control
- Online Flashcards and Quiz's

#### **Class 14 – 2 hours**

- Module 7: Detailed Schedules, Section A: Planning Detailed Schedules
- Online Flashcards and Quiz's

#### **Class 15 – 2 hours**

- Module 7: Detailed Schedules, Section B: Scheduling and PAC Methods
- Case Study: Johnston Products Case Study
- Case Study: Input/Output Control Case Study
- Online Flashcards and Quiz's

#### **Class 16 – 2 hours**

- Module 7: Detailed Schedules, Section C: Creating Production and Service Schedules
- Online Flashcards and Quiz's

#### **Class 17 – 2 hours**

- Module 7: Detailed Schedules, Section D: Managing Detailed Schedules and Scheduling Materials
- Online Flashcards and Quiz's

### **Class 18 – 2 hours**

- Module 8: Distribution, Section A: Planning Distribution
- Case Study: Value Stream Mapping
- Module 8: Distribution, Section B: Replenishment
- Online Flashcards and Quiz's

### **Class 19 – 2 hours**

- Module 8: Distribution, Section B: Replenishment (continued)
- Module 8: Distribution, Section C: Order Management, Trace/Track, and KPIs
- Case Study: Cadbury
- Online Flashcards and Quiz's

### **Class 20 – 2 hours**

- Module 9: Quality, Business Investments, and Continuous Improvement, Section A: Quality
- Case Study: Cheryl Franklin, Production Manager Case Study
- Online Flashcards and Quiz's

### **Class 21 – 2 hours**

- Module 9: Quality, Business Investments, and Continuous Improvement, Section B: Capital Equipment and Facilities
- Case Study: Water Testing with Lasers Activity
- Online Flashcards and Quiz's

### **Class 22 – 2 hours**

- Module 9: Quality, Business Investments, and Continuous Improvement, Section C: Technology
- Online Flashcards and Quiz's

### **Class 23 – 2 hours**

- Module 9: Quality, Business Investments, and Continuous Improvement, Section D: Continuous Improvement
- Online Flashcards and Quiz's

### **Class 24 – 2 hours**

- CPIM V 9.0 Course Review
- APICS Exam Credits, booking and scheduling your CPIM V 9.0 exam
- Techniques For Taking an APICS Exam with Confidence
- Study Strategies, Exam Day Preparation
- How to Approach Exam Questions, How to Know When You Are Ready
- Complete the Post-Test

### **Preparation for the 25<sup>th</sup> Class – 4 hours**

- Complete Practice Exam 1
- Complete Practice Exam 2
- Complete Final Practice Exam

### **Class 25 – 2 hours**

- Debrief and Review answers and rationale to Final Practice Exam of 50 questions - 30 minutes
- Break - 5 minutes
- Online exam of 50 questions, including calculation questions in exam time - 70 minutes
- Feedback on online exam - 15 minutes

### **Total Recommended Study / Class Hours of 130 hours**

- Pre-Course / Class preparation – 50 hours
- 25 of 2 hour classes – 50 hours
- Practicing with Flashcards (APICS Dictionary Definitions) outside of Online Class Hours – 10 hours
- Pre-Exam Study – 20 hours

### **The Fresh Connection (TFC – online supply chain simulation activity)**

During the CPIM V 9.0 course we will use Voting Sessions of The Fresh Connection (TFC – online supply chain simulation activity) to discuss the trade-offs between Sales, Supply Chain, Operations and Purchasing, change parameters, re-run simulation and review the results of changes in return on investment (ROI), Income Statement and the role reports. The plan is also to create teams, of four per team, to use three Rounds of the TFC to look at gaps, choose a competitive strategy e.g. efficient or responsive, and complete a more detailed analysis of interrelated decisions in sales, supply chain, operations, and purchasing / procurement. This is an online activity with access to a TFC server in the Netherlands, the objective being to get a positive ROI on completion of the Voting Sessions and Rounds of The Fresh Connection, and to achieve a good understanding of supply chain trade-offs, which includes: customer service levels, obsolescence with regard to shelf life products, safety stock, lot sizes, production intervals, frozen periods, warehouse utilization, OEE, inbound transportation frequency, VMI with Suppliers, and working capital by examining the Income Statement, graphical reports and role reports.