



Supply Chain Short Courses



Building Supply Chain Resilience

Program Code: (R/345/7/0208)(07/2022)
MQA Code:(MQA/FA 2296)

INTRODUCTION

Supply chain leaders must continue to deliver value even under disruptive situations. The Covid-19 pandemic has tested almost every industrial supply chain and highlighted the importance of supply chain resilience. While increasing safety stocks and localization of supply can help address disruptions in the short term, they are not long-term solutions. Supply chain resilience and agility are essential for long-term success in facing increasing volatility and disruptions in demand and supply. This course will highlight the key elements required to build resilience and agility in the face of disruptions and illustrate how companies can achieve increased supply chain resilience. The course will be a combination of lectures, actual case studies, and team exercises where participants begin to put into practice their learning from the course.

PROGRAM CONTENT HIGHLIGHTS

Scenario Planning

- Learn how scenarios are created and practiced to create supply chain resilience.

Advanced Procurement for Resilience

- Learn how “purchasing” needs to become “advanced procurement” to improve the resilience in the supply network.

Decision Making Clock Speed

- Learn how to increase responsibility and leadership capability in people.

Business Continuity Planning

- Learn identifying risks that could impact continued operations.

OBJECTIVE

The objective of the course is to enable supply chain leaders to become more aware of actions they can take to improve the resiliency of their supply chains and how to go about implementation in their respective companies.

WHO SHOULD ATTEND

The course is aimed at supply chain leaders who are responsible for ensuring business continuity under disruptions and enabling their supply chains to respond to changing business conditions.

COURSE DATES

■ APR 8th & 9th, 2021

THE FACULTY



Dr. David Gonsalvez



Dr. Shardul Phadnis



Dr. Debabrata Ghosh



Dr. Javad Feizabadi



Dr. Asad Ata

Please note: Faculty is subject to change.

NEXT STEPS

Learn more and apply

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Building Supply Chain Resilience

Schedule

DAY 1

| Session | Topic | Description |
|-----------|-------------------------------------|--|
| Session 1 | Overview of Supply Chain Resilience | Definition of supply chain resilience. Strategies for addressing disruptions and volatile demand and supply situations. Key elements required to build supply chain resilience. How real companies have built supply chain resilience. Leveraging supply chain agility to pivot the business and succeed in the face of disruption. |
| Session 2 | End-to-End Visibility | End-to-end visibility of the supply network is key to (a) avoiding major supply disruptions from failures deep in the network and (b) developing alternative options quickly when faced with disruptions. In this session, methods of developing end-to-end visibility will be discussed and illustrated with a real-world example of traceability in the palm-oil supply network in Malaysia. |
| Session 3 | Scenario Planning | Building a resilient supply chain requires envisioning what may go wrong, identifying vulnerabilities in the supply chain, and addressing those vulnerabilities. This session will introduce scenario planning as a method to overcome the organizational myopia and create an organization that is more aware of the changes in its business environment and is prepared to respond to surprises. The session will explain how scenarios are created and practiced to create supply chain resilience. |
| Session 4 | Team Exercise: Scenario Planning | Using a case study, the participants will create scenarios, use the scenarios to outline specific actions to make the supply chain in the case study more resilient, and define concrete approaches to monitor the business environment. At the end of the session, the participants will assess how the supply chain they designed using they scenarios they created differs from the one created without considering such scenarios. |

Building Supply Chain Resilience

Schedule

DAY 2

| Session | Topic | Description |
|-----------|-------------------------------------|--|
| Session 5 | Advanced Procurement for Resilience | How “purchasing” needs to become “advanced procurement” to improve the resilience in the supply network. Key elements include dual sourcing, near-sourcing, out-sourcing, category management, risk cost analysis, and supplier relationship management. |
| Session 6 | End-to-End Visibility | <p>Business continuity management is described as the holistic management program for identifying risks that could impact continued operations. BCM provides a systemic framework, in which the firm’s mitigation practices and contingency tools can be developed, improved, and tested. For managers, risk management programs such as BCM can be investments similar to an insurance policy: they seem to provide dividends when faced with disruptions. Major supply chain disruptions are unanticipated interruptions in the flow of goods and information in the supply chain that, despite their relatively low probability, exert high damage on the company.</p> <p>In this session we discuss how the supply chain can effectively get involved in BCM, while reviewing some practices such as setting up a control tower and crisis center; implementing strategies to increase robustness such as secondary route planning, reserve transportation capacity, and continuous situation monitoring; internal and external integration.</p> |
| Session 7 | Decision Making Clock Speed | Ultimately people drive supply chain resilience. Distributed decision-making authority with little hierarchy enables fast response to evolving situations. How to increase responsibility and leadership capability in people. Illustrated with real world examples of how people made the difference in a crisis. |
| Session 8 | Bringing it all together | How to integrate the various elements discussed in the course into a coherent action plan for supply chain resilience. Identifying priorities and implementation sequence. Participants apply their learning and own experience in team projects. |