

# Certified Lean Specialist Programme



## Mastering Lean Plan and Implementation

Organizer



Sponsor



## Six Sigma Institute (SSI)

The Six Sigma Institute (SSI) is a non-profit making professional body. Its primary objective is to accredit Six Sigma professionals with recognized knowledge and skills in this application science. The SSI aims to work closely with professionals, training organizations, universities and other professional bodies in promoting the application of Six Sigma methodologies. Also, the SSI offers other Quality Management related trainings to lift the competitiveness of servicing and manufacturing practitioners.

## Lean Programme

Lean is a generic process management philosophy derived from Toyota Production System. Lean considers **eliminating or minimizing the expenditure of resources for any goal other than the creation of value for the end customer**, which is the core idea of Lean is to maximize customer value by using minimize waste. Lean is a journey of enhances efficiency by **continuously improving the workflow and smoothness of work**. Lean has been widely applied in process improvement management **in servicing and manufacturing industries**.

## Course Overview

This is a highly comprehensive and interactive programme that teaches a carefully sequenced arrangement of Lean concepts and tools and covers the **latest knowledge** and **know-hows** of Lean management. The **integration of Lean with Six Sigma and Theory of Constraints** is also covered so that participants can use a synthesis approach for better management of their companies.

Lean Specialists should have an **in-depth understanding** of Lean techniques that can **lead and train team members** to carry out Lean Transformation in their organizations. As the result, they are able to deliver **immediate, quantifiable and significant improvements** in business operation which align with Lean initiatives.



Upon completed the programme, participants will:

- Have a **comprehensive** understanding of concepts and tools of Lean Management.
- Learn from the **real world** (from the study visit), how these concepts and techniques are being implemented in companies.
- **Be able to apply** Lean management strategically in their organizations and across the supply chain from suppliers to customers.
- Be a **Lean team leadership** and assign team member roles and responsibilities.

## Course Leader

Dr. YK Chan, Doctor of Engineering (Warwick), Doctor of Management (IMC/USC), Registered Professional Engineer, Registered Six Sigma Master Black Belt, Certified Six Sigma Black Belt Teacher, Registered Lean Specialist, Certified Theory of Constraints Supply Chain and Logistic Application Practitioner (including production process). 30 years of experience in both manufacturing and servicing industries. Led 47 Lean Sigma projects and trained over 1,500 Lean Six Sigma professionals. Dr. Chan is a Visiting Professor of Beijing Normal University (北京師範大學) an Industrial Fellow of Warwick University

## Who should attend?

1. Senior managers or executives who wish to or responsible to implement Lean management in the company.
2. High flyers who want to have a better opportunity in their carrier path.
3. Professionals who responsible for business process improvement.

## Why should join SSI programme?

- Practical** The programme contains of lectures and workshops and will be conducted with study cases.
- Flexible Schedule** Provide weekday and weekend courses to let students budget their time between work and family life.
- Quality** Our lecturers have rich related teaching experience, they are Registered Lean Specialist and experienced in implementing lean projects and quality management.
- Professional Network** SSI students can join our Six Sigma Community which aims to develop a strong social network for Six Sigma and Lean professionals.
- Recognition** Certification holders who pass the VIVA Exam are eligible to be registered with SSI as a **Registered Lean Specialist** and granted with the title of **RLS**.

# Certified Lean Specialist Course Outline

## Module 1: Certificate in Strategic Lean Management and Its Integration with Six Sigma and TOC (6-hour)

1.1 Lean Vision	1.6 Understanding the big picture
1.2 Identify Improvement Opportunities	1.7 Detailed mapping
1.3 The lean roadmap	1.8 Getting suppliers and customers involved
1.4 Understanding waste	1.9 Integration of Lean Management with Six Sigma and Theory of Constraints for business growth
1.5 Setting the direction	

## Module 2: Certificate in Lean Transformation Method (9-hour)

2.1 Introduction	2.6 Identify areas of opportunity
2.2 Lean Transformation Process	2.7 Modify the existing process
2.3 Value Stream maps	2.8 Implement new Standard Work
2.4 Case Study	2.9 Case Examples
2.5 Evaluate the current situation	

## Module 3: Certificate in Designing Flow Operation with Kanban System (6-hour)

3.1 What is Flow Production	3.7 What is Visual Control
3.2 What is Multi-Process Operation	3.8 Case Study
3.3 Key Points in Flow Operation	3.9 Standing Signboards
3.4 Function and Rules of Kanban System	3.10 Andon Design
3.5 How to determine Quantity of Kanban	3.11 Production Management Board
3.6 Effective Management of Kanban System	3.12 Examples

## Module 4: Certificate in Wastes Identification and Elimination (6-hour)

4.1 Why Wastes Occur?	4.6 Case Examples
4.2 7 Types of Wastes	4.7 What are 5S
4.3 How to Identify Wastes	4.8 Design of Red Tags and Signboards
4.4 How to Eliminate Wastes	4.9 Case Examples
4.5 Secrets for Not to Creating Wastes	4.10 Exercises

## Module 5: Certificate in Leveling Techniques and Changeover Improvement (6-hour)

5.1 What is Level Production or Level Service	5.7 What is Quality Assurance in Lean Organization
5.2 Lean Scheduling	5.8 Overall Plan for Achieving Zero Defect
5.3 Leveling Techniques	5.9 The Poke-Yoke System
5.4 What is Changeover	5.10 The Audit List
5.5 Procedures for Changeover Improvement	5.11 Examples
5.6 7 Methods for improving Changeover	

## Module 6: Certificate in Human Automation, Standard Operations and TPM (6-hour)

6.1 Overview of Standard Operations	6.6 What is Human Automation
6.2 How to Establish Standard Operations	6.7 What is Total Productive Maintenance, TPM
6.3 How to improve Operations	6.8 How to implement TPM
6.4 Steps toward Jidoka	6.9 Strategies for Zero Injury and Zero Accidents
6.5 3 Functions of Jidoka	6.10 Examples

## Module 7: Lean Study Visit (Optional, all detail to be advised)

<b>Examination Fee</b>	■ The Examination will be held after completion of module 1 – 6
<b>VIVA Exam Fee</b>	■ VIVA Exam will be held upon completion of individual project (30-minute individual project presentation + 30-minute Q & A session)
<b>Course Fee</b>	<ul style="list-style-type: none"> <li>■ Please contact us about <b>course fee</b> and <b>DISCOUNT</b> details.</li> <li>■ SSI students who complete Lean Leader for Service / Manufacturing Certification Programme could be waived for 'Certificate in Lean Transformation Method' module.</li> <li>■ <b>Fee of Lean Study Visit, Examination fee</b> and <b>VIVA Exam fee</b> will be charged separately.</li> </ul>
<b>Certificate</b>	<ul style="list-style-type: none"> <li>■ Participants who complete each module with attendance 70% or above will receive a <b>module certificate</b>.</li> <li>■ <b>Registration Certificate of Lean Specialist</b> will be awarded to participants who complete an individual project and pass the written examination. The individual project is required to be presented in the VIVA exam which includes a 30-minute project presentation and a 30-minute Q &amp; A session.</li> </ul>

## Course Schedule (Please visit our website for detailed schedules of each module)

### Enquiry

Tel: (852) 2581 2771

Email: [info@ssi.org.hk](mailto:info@ssi.org.hk)

Website: [www.ssi.org.hk](http://www.ssi.org.hk)

## Application Form 申請表格

**Course code 課程編號** (refer to the course pamphlet 請參照課程單張填寫): \_\_\_\_\_

### Personal Information 個人資料

Chinese Name 中文姓名 先生/小姐/太太/博士): \_\_\_\_\_

English Name 英文姓名 (Mr./Miss/Mrs./Dr.): [Surname 姓氏] \_\_\_\_\_ [First Name 名字] \_\_\_\_\_

Alias 別名 \_\_\_\_\_ Age 年齡:  18-25  26-35  36-45  46-55  56+

Highest Achieved Education Level 最高教育程度:  Secondary 中學  Post-Secondary 專上  University 大學  Postgraduate or above 研究院或以上  Others 其他 \_\_\_\_\_

Contact No. 聯絡電話 (May deliver message via WhatsApp 可能會以 WhatsApp 形式傳遞資訊): \_\_\_\_\_

E-mail Address 電子郵箱: \_\_\_\_\_

Correspondence Address 通訊地址 (The certificate will be sent to this address 課程證書將發送到這個地址): \_\_\_\_\_

Company Name 公司名稱: \_\_\_\_\_

Industry 行業: \_\_\_\_\_ Office Tel. 辦事處電話: \_\_\_\_\_ Department 部門: \_\_\_\_\_

Position 職位: \_\_\_\_\_ Job Nature 工作性質: \_\_\_\_\_

Years of experience 年資:  1 - 5 years 年  6 - 10 years 年  11 - 20 years 年  21+年

Company Address 公司地址: \_\_\_\_\_

How do you know about SSI course information? 您如何得悉本學會課程資料?

Facebook  Yahoo 雅虎  Google 谷歌  JobsDB  E-mail 電子郵件  Friend Recommendation 朋友介紹

Eventbrite  Others 其他 \_\_\_\_\_

I object to the proposed use of my personal data including, without limitation, name, age, gender, phone number, fax number, job title, academic and professional qualification, correspondence address and email address ("Personal Data") for the purpose of sending me information relating to SSI's latest developments, job matching support services, training courses and related events, and other marketing activities as may be organized by SSI. 本人反對六式碼學會使用本人的個人資料包括但不限於姓名、年齡、性別、電話號碼、傳真號碼、職位、學術及專業資格、通訊地址及電郵地址("個人資料")於推介本會最新發展、就業支援服務、培訓課程及相關的活動及其他由本會的推廣活動的用途。

### Course Fee Payment (for specific programmes) 繳付學費 (特定課程)

For those who would like to get 10% off early bird rate, course fees should be settled 4 weeks before the course commencement date. 如欲享用 9 折提早報名優惠，所有費用須於開課前 4 個星期繳付。

General students are required to settle course fees 2 weeks before the course commencement date. 一般學員必須於開課前 2 個星期繳付所有費用。

15% off discount for group enrollment of 3 or above from the same company. 3 位或以上來自同一所機構之團體報名可享有 85 折優惠。

**Fail to settle payment before deadline results in cancellation of application or suspension from taking subsequent courses. 未能如期付款者的申請將不獲保留或導致申請者被取消上課資格。**

### Method of payment 繳費方法

**ATM 自動櫃員機** (Please use Bill Payment service at HSBC / Hang Seng Bank ATMs to settle the bill and keep the original of the ATM advice for record. 請使用滙豐或恒生銀行自動櫃員機的繳賬服務繳費，並保存自動櫃員機通知書正本以作紀錄。HSBC Account Name and No.: Six Sigma Institute Limited 004-126-848001-001. 滙豐銀行帳戶名稱及帳號: 六式碼學會有限公司 004-126-848001-001.)

**E-Banking 網上銀行** (For e-banking registered user of HSBC / Hang Seng Bank, you may make payment in HKD currency at the bank website without additional charges. 如閣下已登記滙豐或恒生銀行的網上理財服務，可透過銀行網站以港元繳費而不會被收取額外服務費。)

**Credit Card Online Payment 信用卡網上繳費** (Please settle the payment by using merchant code '9983' and fill in Your 8-digit contact phone no. in the blank of "Bill Account No.". 請以商戶編號「9983」繳費並於帳單號碼欄填寫閣下 8 位數字的電話號碼。)

**PPS By Internet 網上繳費** (Login your PPS account through website: www.ppsk.com and enter '9983' at 'Search by Merchant Code' in 'Add Bill' page and settle the payment by following the instructions. Please keep the payment details for record. 請於繳費網頁 www.ppsk.com 登入，在「登記賬單」頁的「以商戶編號搜尋」欄輸入「9983」，然後按指示完成付款程序。請保存繳費資料以作紀錄。)

**PPS By Phone 電話繳費** (Please open a PPS account and register the bill by calling 18011 if you have not. Dial 18031 to pay the bill and enter '9983' as merchant code. Please keep the payment reference number for record. 請先開立繳費靈戶及致電 18013 登記此賬單。致電 18033 繳付賬單並輸入商戶編號「9983」，請保存付款編號以作紀錄。)

**Cheque No. 支票號碼:** \_\_\_\_\_ (Please send a crossed cheque which is made payable to 'Six Sigma Institute Limited' to Unit1627, 16/F, Star House, No.3 Salisbury Road, Tsim Sha Tsui Kowloon, Hong Kong. Please write the applicant's name and course code on the back of the cheque. Post-dated cheque will not be accepted. 請把抬頭人為「六式碼學會有限公司」的劃線支票寄往香港九龍尖沙咀梳士巴利道 3 號星光行 16 樓 1627 室，恕不接受期票，請於支票背面註明申請人姓名及課程編號。)

### Declaration 聲明

- I declare that all information provided in this application and the attached documents are, to the best of my knowledge, accurate and complete. 本人聲明在此申請表格及隨附文件所載的資料，依本人所知均屬完整真確。
- I consent that if admitted, I will comply with all the Rules and Regulations stipulated by the Six Sigma Institute 本人同意如所報讀課程獲取錄，本人定當遵守六式碼學會所定的規則及章程。
- I have read the IMPORTANT NOTE in this application form and understood that the details of enrolment are subject to revisions in the course pamphlets and the latest changes in SSI website. 本人已細閱申請表格內的重要通知，並明白所有報名詳情均以本會課程單張及網頁的最新修訂為依歸。
- I understand that Personal Data collected will be used for processing application for admission, registration, academic, administrative, research and statistical purposes and will also be used for marketing purposes, specifically for the purpose of sending you information relating to SSI's latest developments, job matching support services, events and training courses. Personal Data will be treated in strict confidence. Unless otherwise agreed by me, Personal Data will not be transferred to any third parties. 本人明白所收集的個人資料將會作入學申請、登記、學術、行政、研究、統計及市場分析及用於推介本會最新發展、就業支援服務、活動和培訓課程的用途。個人資料會嚴格保密處理。除非獲得本人的同意，個人資料不會轉移予第三者。

Signature 簽名: \_\_\_\_\_

Date 日期: \_\_\_\_\_

## Registration Service 註冊服務

The SSI provides registration service for those who have successfully completed relevant training programs. For more details, please refer to related program pamphlets or contact us. 本會為成功完成相關培訓課程的學員提供註冊專業資格服務，請參閱相關課程單張或向我們查詢詳情。

### IMPORTANT NOTE 重要通知

1. Receipt of this application form by SSI constitutes an official booking. SSI reserves the right to reject any application in any circumstances and for whatever reasons. Payment of fees should only be construed as conditional acceptance of application. 本會收到已填妥的申請表後會為申請人保留學位。本會保留在任何情況下及以任何原因拒絕任何入學申請的權利。申請者繳付學費後，仍須符合所有入學條件，其申請方可獲得接納。
2. Refund Policy for course fees paid 已繳費用的退還情況:
  - > Notice of more than 1-week prior course starts - Refund 80% 於開課前 1 個星期或以上通知退學 – 可退還 80%
  - > Notice of less than 1 week before course starts - Refund 70% 少於開課前 1 個星期通知退學 – 可退還 70%
  - > Once course has begun - NO REFUND 開課後通知退學 – 不獲退還
3. All SSI students enjoy the special privileges of buddies of Six Sigma Community. 所有本會學員可享有與六式碼社區之友同等優待。
4. The course fees for specific programmes include two examination opportunities, fees will be charged for joining extra examinations. Please contact us for the details. 本會**特定課程之費用已包括兩次考試機會**，額外考試機會需另行收費。請向本會查詢有關詳情。
5. Six Sigma Institute reserves the right to revise the subject without prior notice. Please see our website for the latest changes. 本會保留在無需事前通知的情況下對課程作出任何變動的權利。請留意本會網頁的最新情況。
6. If No. 8 Typhoon / Black Rainstorm warning signal is lowered 當八號颱風或黑雨警告在以下時段除下：

at or before 07:00 早上七時前	all morning sessions will be conducted as scheduled. 所有早上課堂會如常進行。
between 07:00 and 11:00 早上七時至十一時期間	all morning sessions will be cancelled, but all afternoon sessions will be conducted as scheduled. 所有早上課堂將會取消，但所有下午課堂會如常進行。
between 11:00 and 16:00 早上十一時至下午四時期間	all afternoon sessions will be cancelled, but all evening sessions will be conducted as scheduled. 所有下午課堂將會取消，但所有夜間課堂會如常進行。
after 16:00 下午四時後	all evening sessions commencing from 18:00 onwards will be cancelled automatically. 所有下午六時後進行的夜間課堂將會取消。

Participants will be notified when the class will be made up as soon as possible. 本會將盡早通知學員補課的日期及時間。
7. Personal Data Collection Statement 個人資料收集聲明  
The personal data provided on this application form is used by SSI for purposes related to the processing of enrolment and course administration. Under the provisions of the Personal Data (Privacy) Ordinance, applicants have rights to request access to and make correction of their personal data. 申請人於此表格提供的個人資料，本會只會用作處理報名及課程行政的有關事宜。根據個人資料(私隱)條例，申請人有權查詢及更改其個人資料。

**備註： Please send or fax the completed application form at fax no. (852) 2581 2776 or e-mail to info@ssi.org.hk. Students should submit full payment and/or documentation for settlement before the applicable payment deadline. 請將填妥的申請表電郵至 info@ssi.org.hk 或傳真至(852) 2581 2776，課程的所有費用及/或所需文件必須於相應的期限前提交。**