

# Comprehensive Soldering 강의 계획서

## Unit 1: Safety

Section 1.1: Common Safety Rules for Hand Soldering

## Unit 2: ESD & Handling

Section 2.1: ESD Considerations

Section 2.2: PCB Handling

## Unit 3: Solder Preparation

Section 3.1: Soldering Iron Maintenance

Section 3.2: Solder Tip Maintenance

Section 3.3: Tip Selection - Physical Size

Section 3.4: Tip Selection - Temperature

Section 3.5: Solder Wire

Section 3.6: Melting Temperature of Solder

Section 3.7: Flux Introduction

Section 3.8: Flux Types

Section 3.9: Flux Core Percentage

Section 3.10: Flux Summary Table

## Unit 4: Soldering

Section 4.1: Creating the Solder Connection – Through Hole & Terminals

Section 4.2: Creating the Solder Connection – Surface Mount Leadless Connections

Section 4.3: Creating the Solder Connection – Surface Mount Gull Wing Leads

Section 4.4: Creating the Solder Connection – Surface Mount J-leads

Section 4.5: Creating the Solder Connection – Surface Mount Specialized Tips

## Unit 5: Cleaning the PCB

Section 5.1: Cleaning – Flux Residue